

FIG. 1

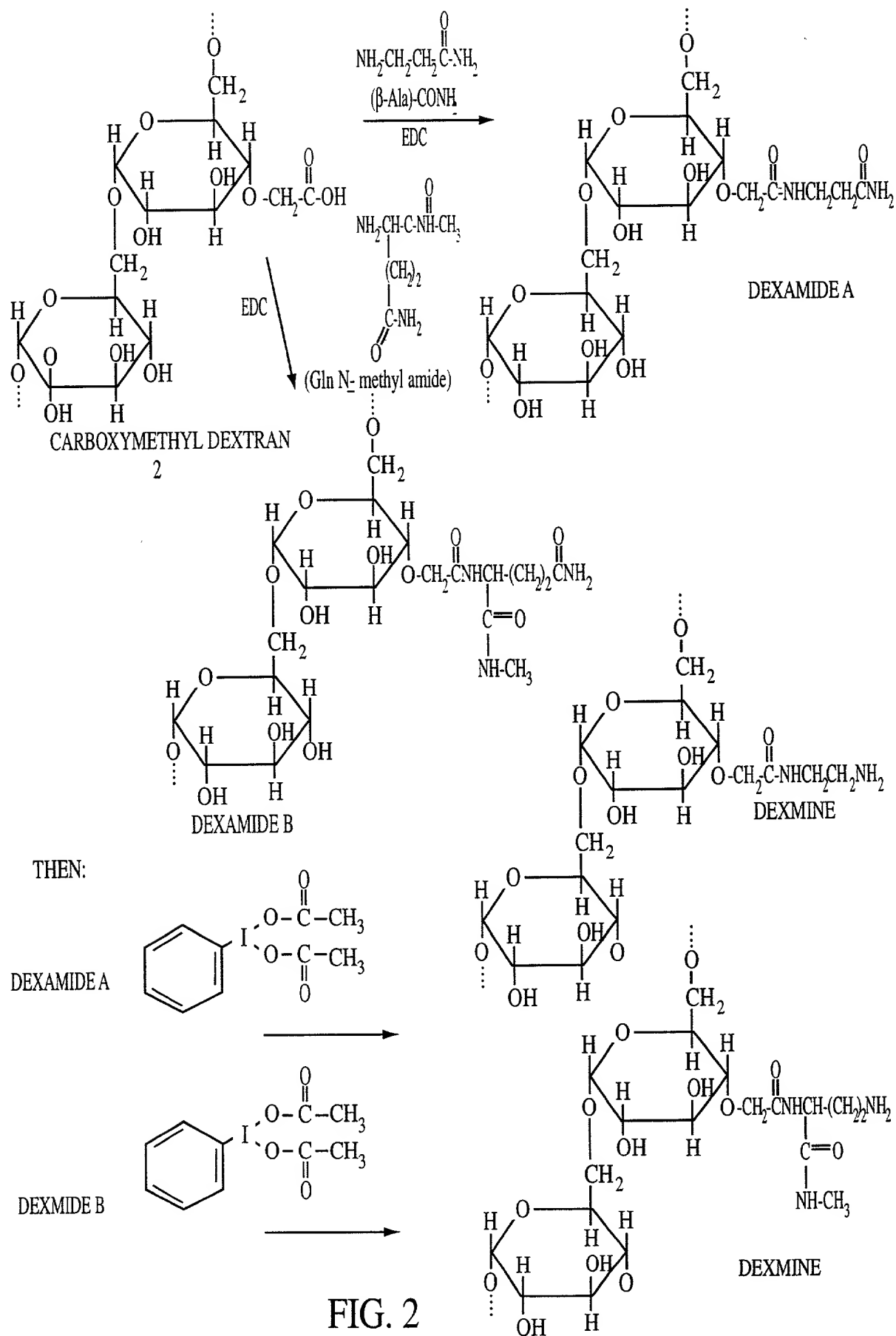


FIG. 2

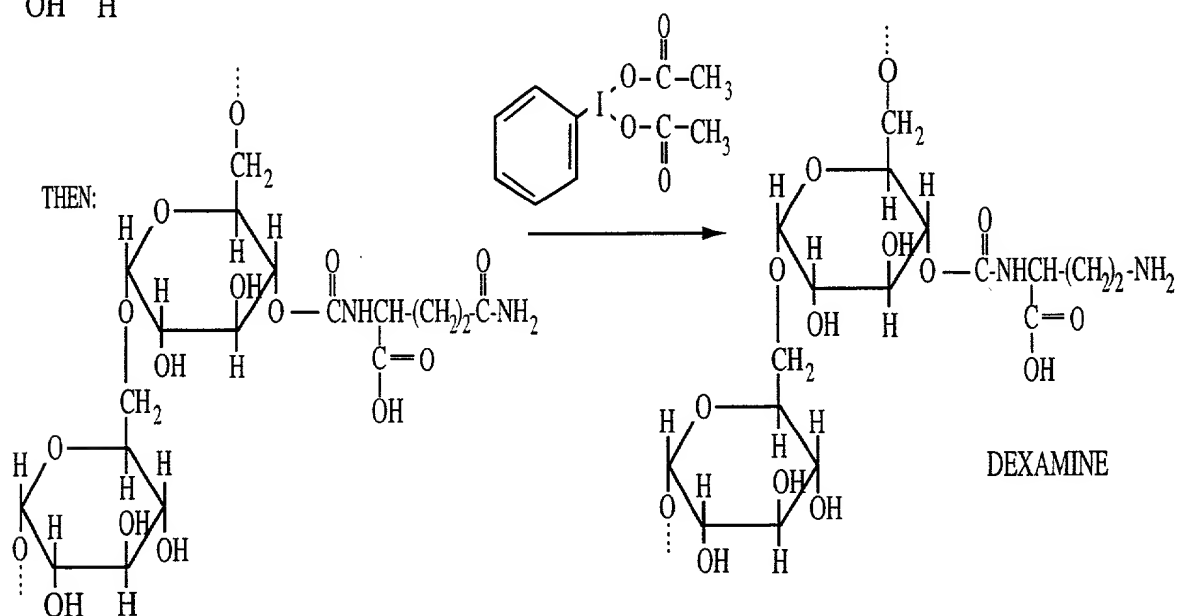
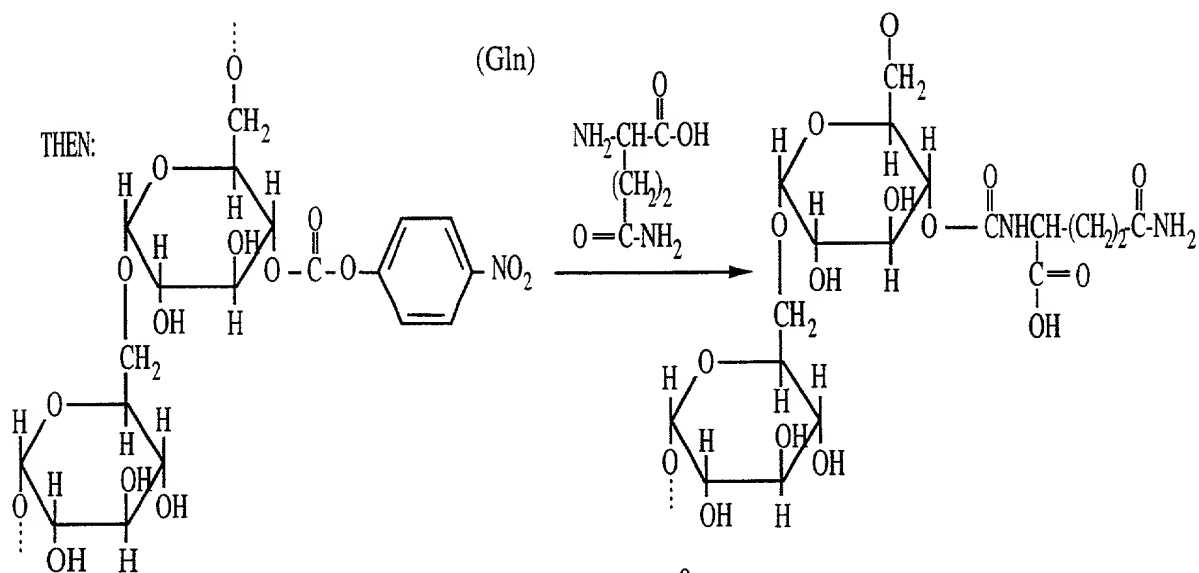
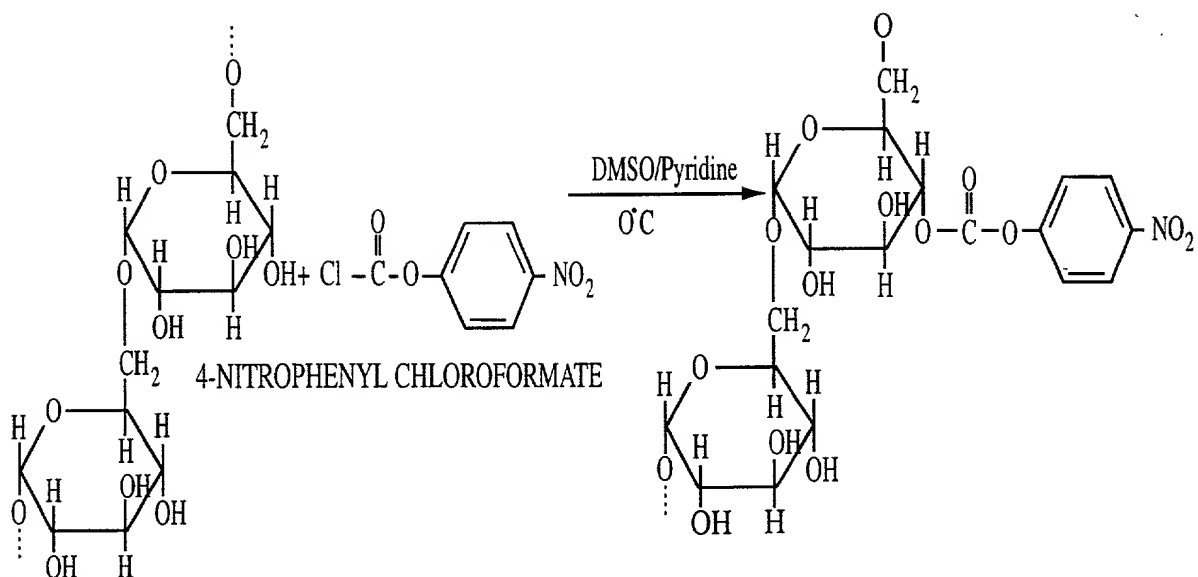


FIG. 3

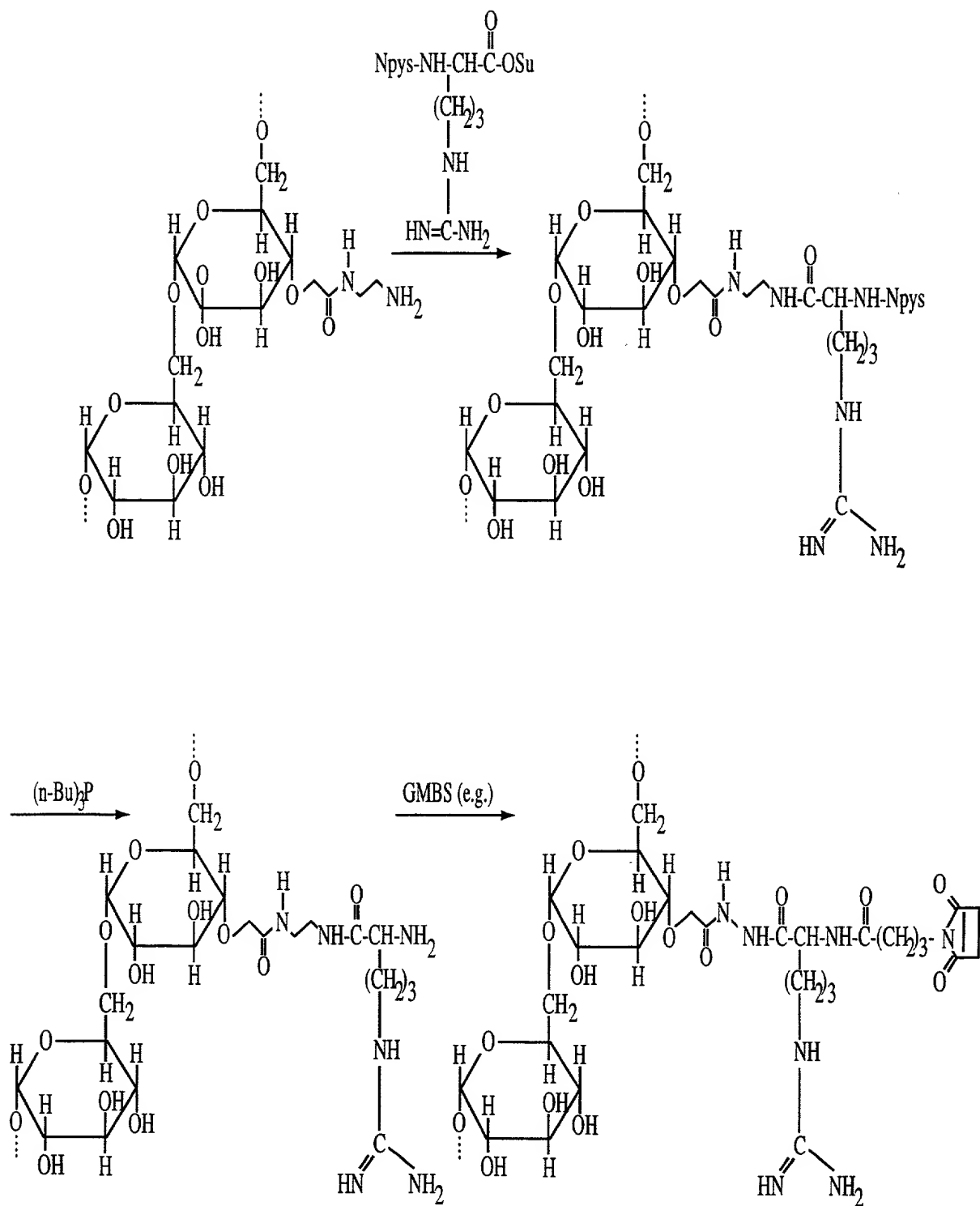


FIG. 4

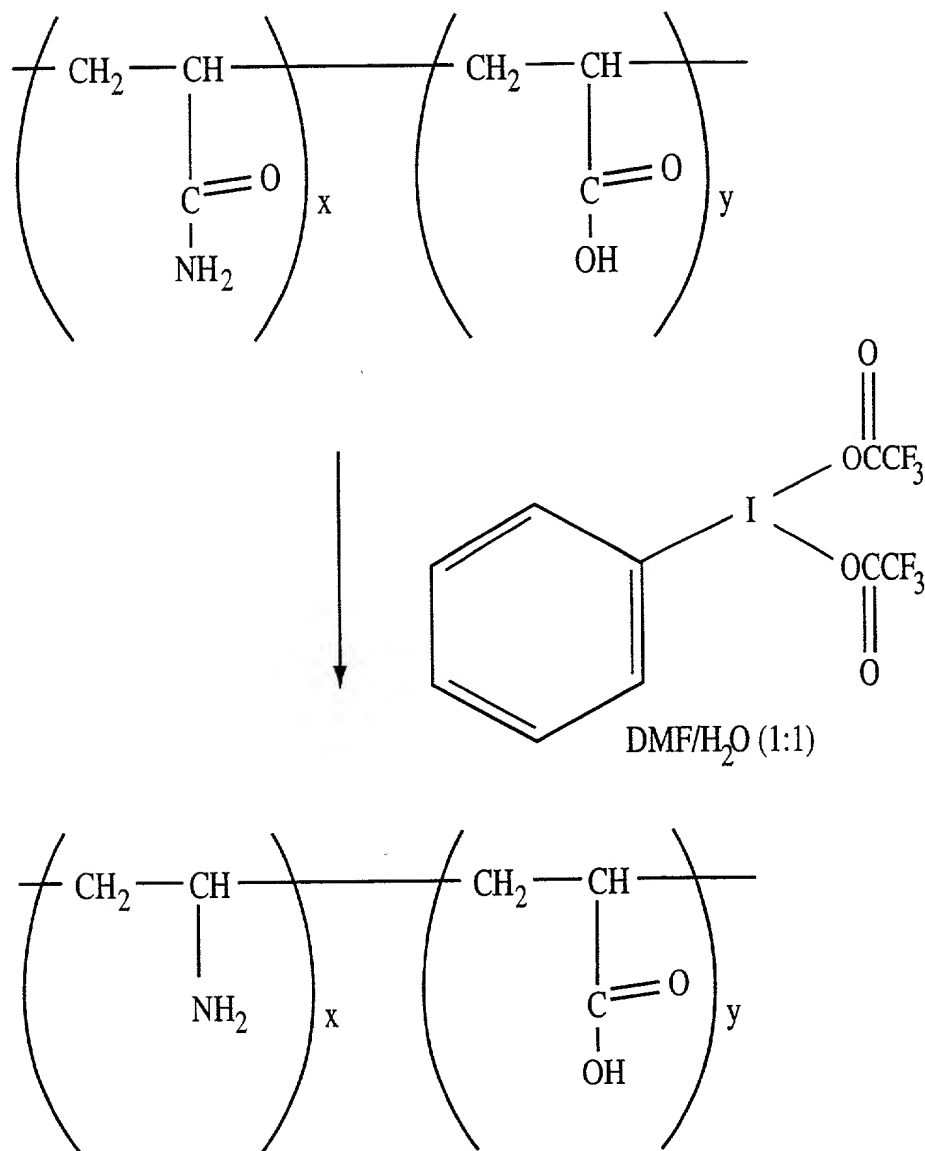
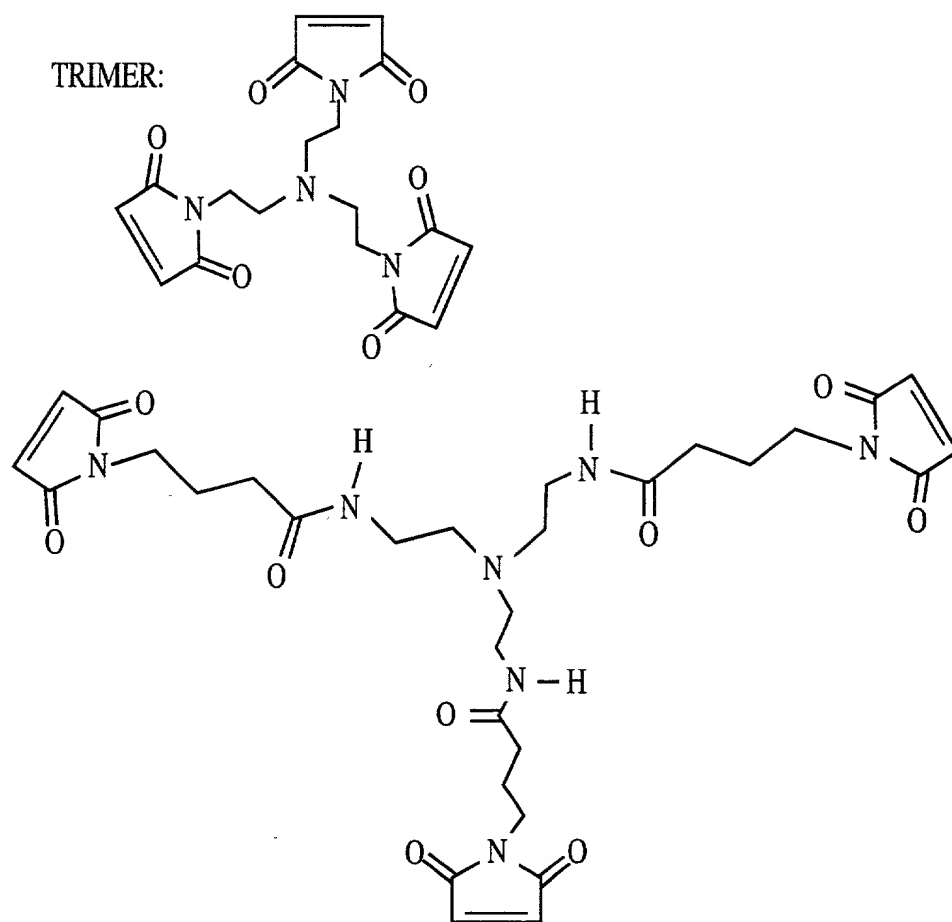


FIG. 5

TRIMER:



TETRAMER:

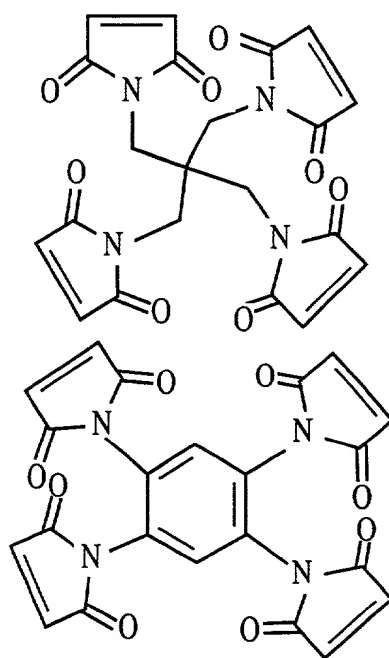


FIG. 6

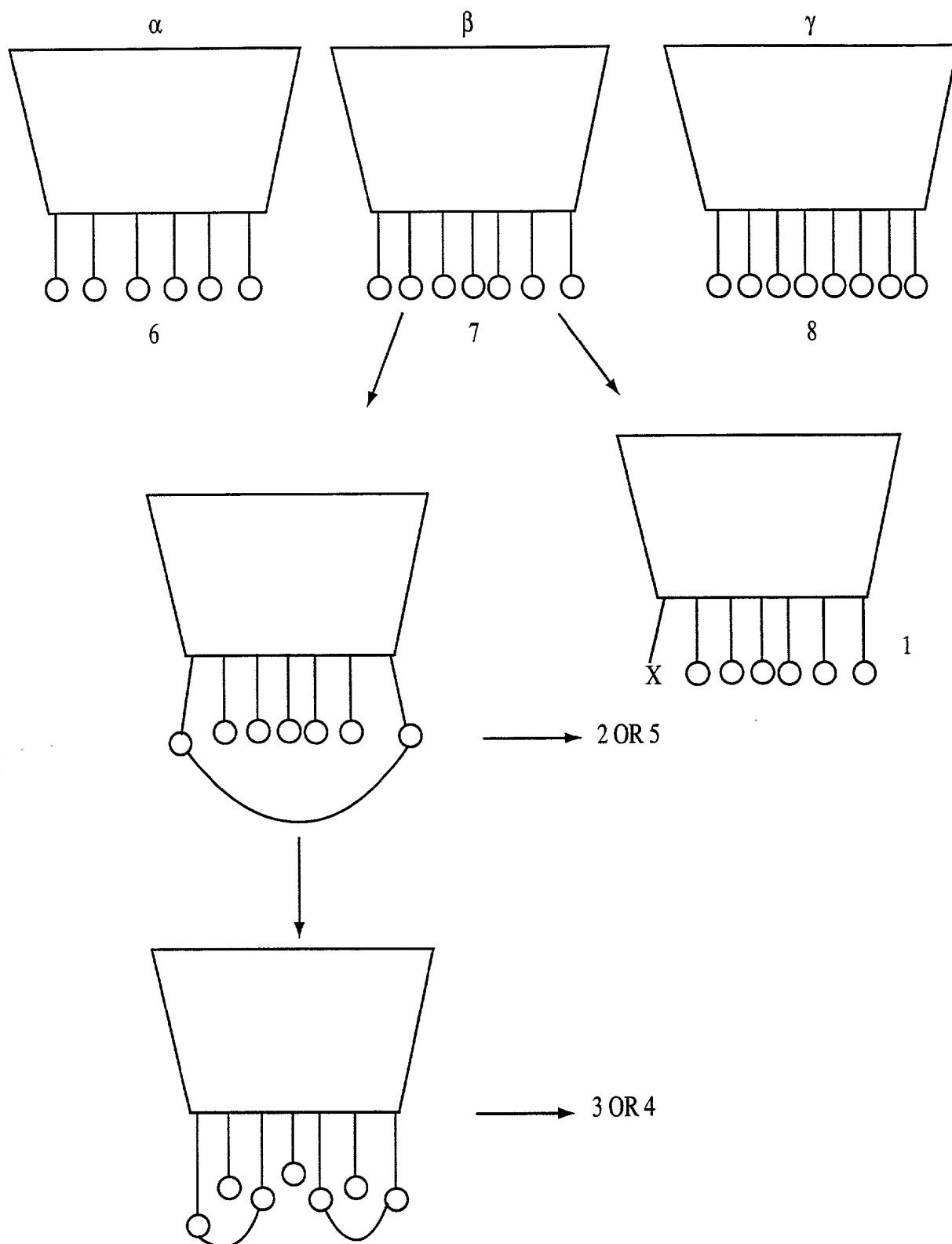


FIG. 7

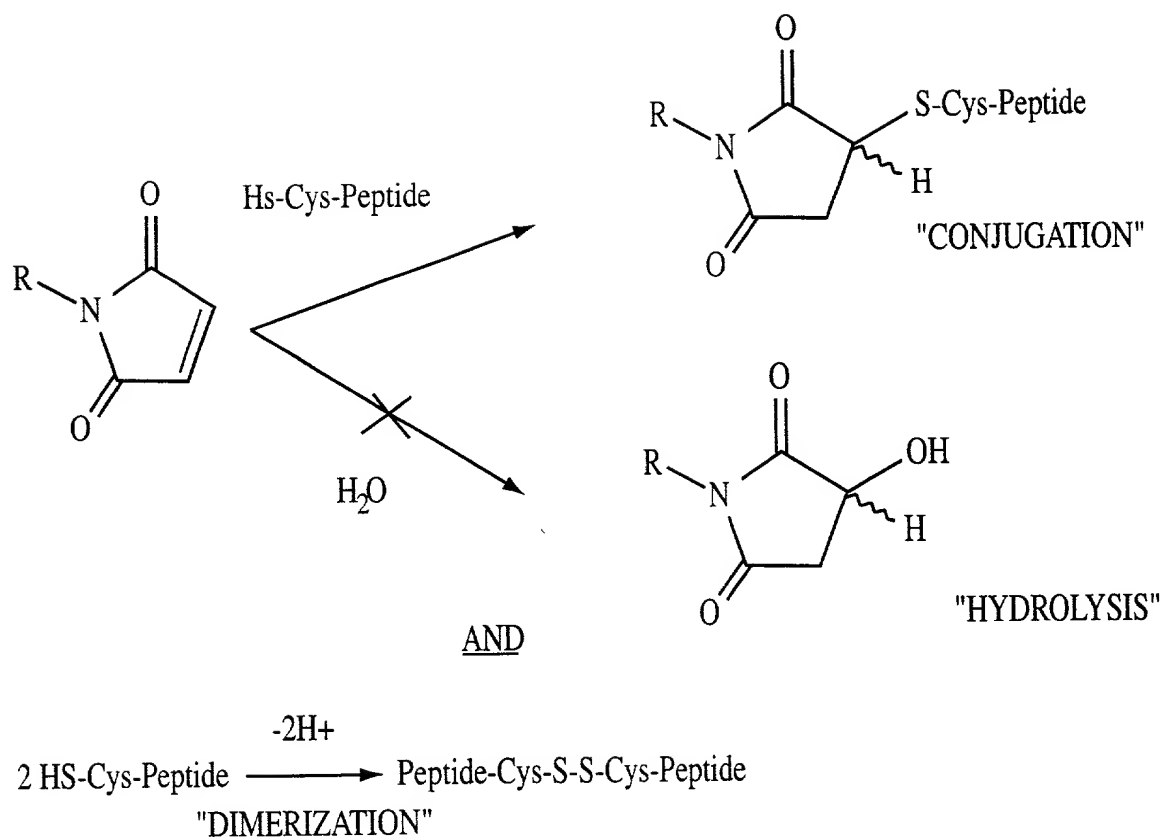


FIG. 8

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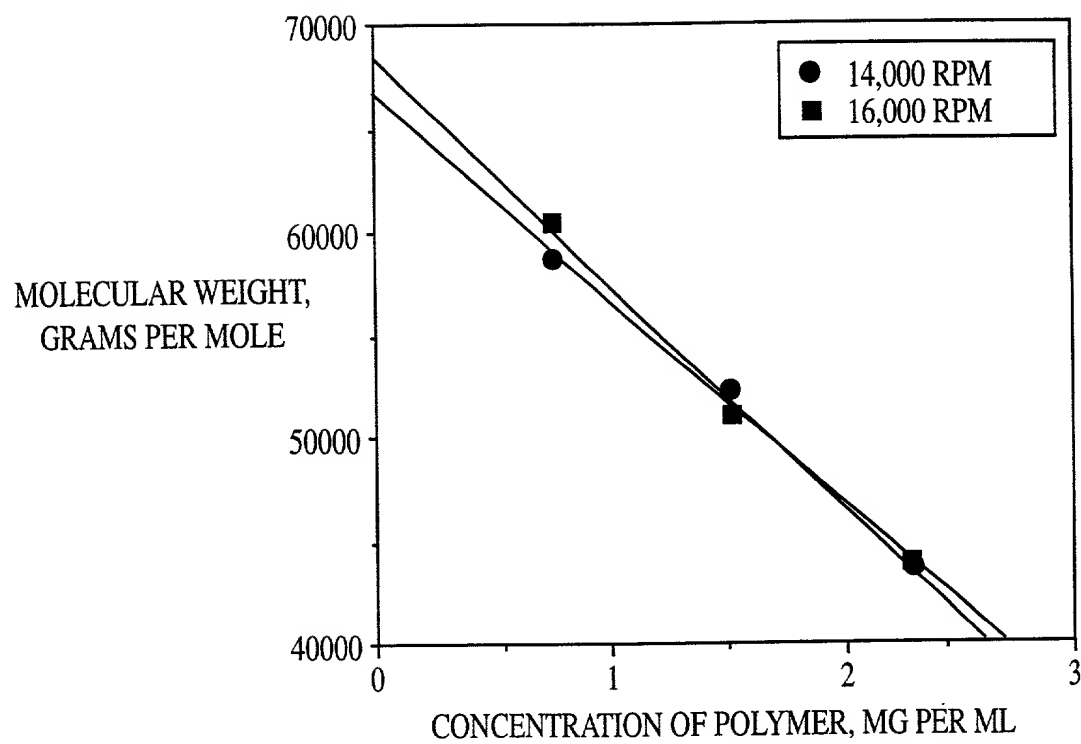
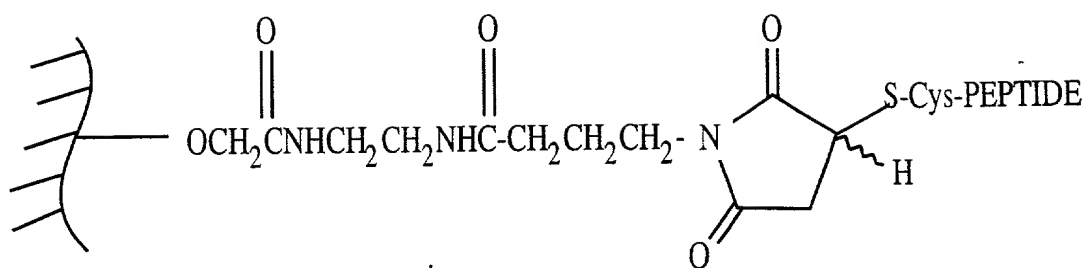


FIG. 9



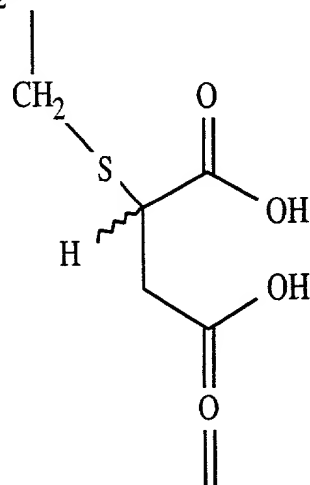
6 M HCl, 110 °C, 24 HR., IN VACUO

NH₂-CH₂-CH₂-NH₂
ETHYLENEDIAMINE

HOOC-CH₂CH₂CH₂-NH₂
GABA (=γ-ABA)

PEPTIDE AMINO
ACIDS

NH₂CH-COOH

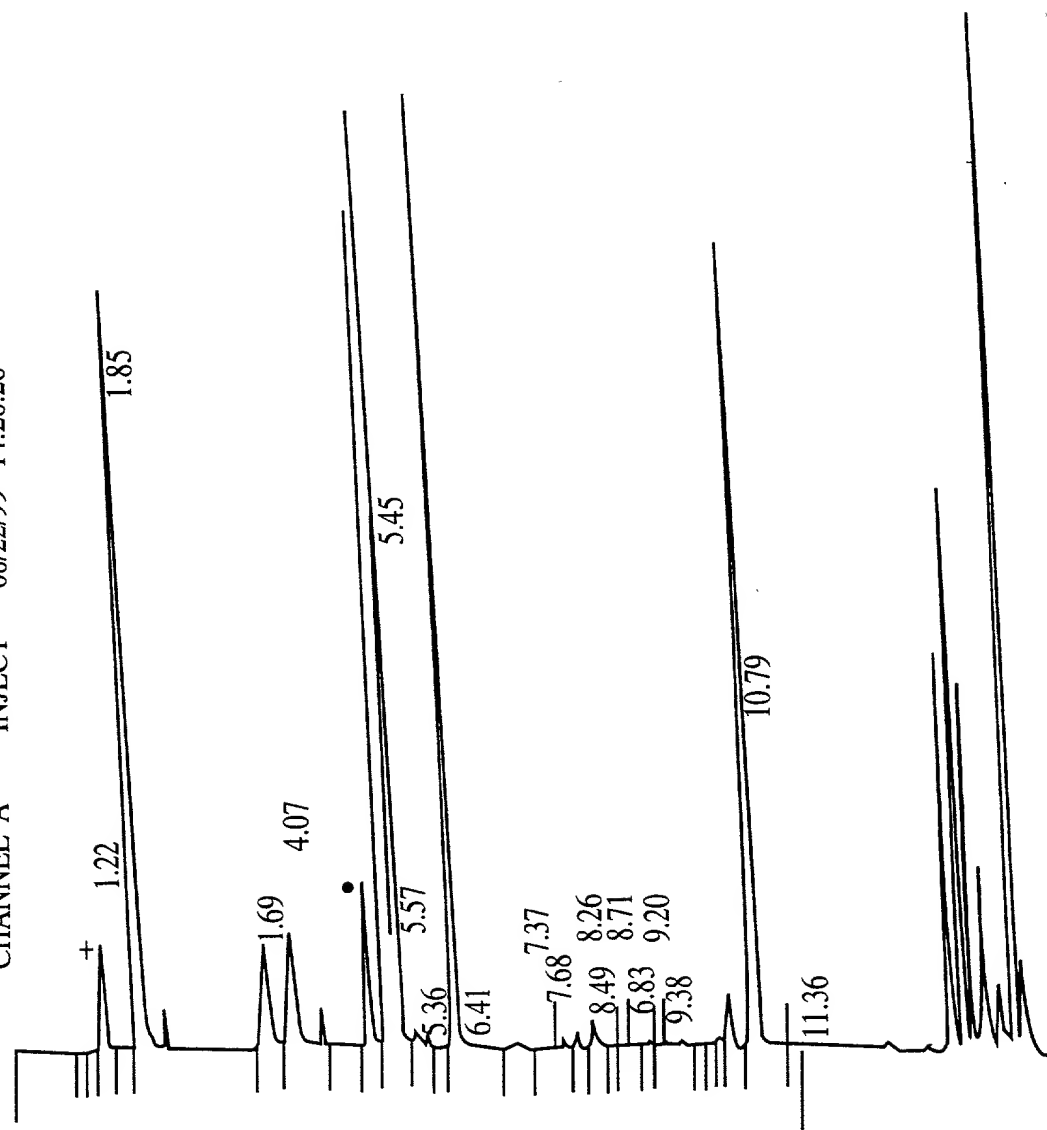


S-2-(2R,2S-SUCCINYL)-L-CYSTEINE

FIG. 10

004707 08/22/99 14:28:28

CHANNEL A INJECT 08/22/99 14:28:28



+ = PTC-(S-2-(2R,2S-succinyl)-L-Cys
• = PTC-GABA

FIG. 11

CONJUGATE PEPUDE SUBSTITUTION DENSITY EQUATION

NO MOLECULES PEPUDE/MOLECULE DEXAMINE

$$= \frac{\text{PMOLES PEPTIDE VIA AAA}}{\text{PMOLES DEXAMINE(=BACKBONE) VIA AAA}}$$

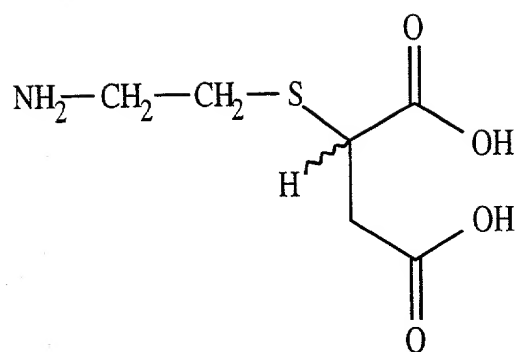
-----> NON-COVALENTLY LINKED PEPTIDE INCREASES NUMERATOR!

-----> LOSS OF DEXAMINE DURING:

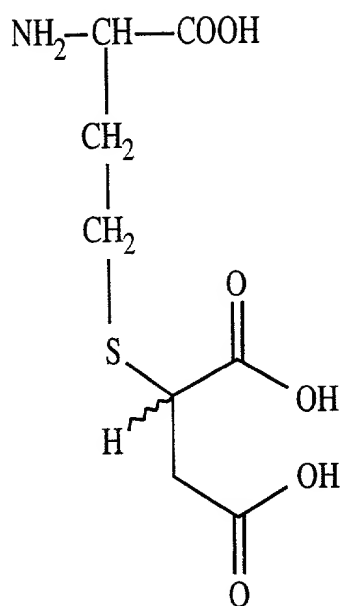
- GMBS DERIVITIZATION
- G-25 COLUMN PURIFICATION
- REACTION MIXTURE TRANSFERS

DECREASES NUMERATOR

FIG. 12



S-2-(2R,2S-SUCCINYL)-CYSTEAMINE



S-2-(2R,2S-SUCCINYL)-DL-HOMOCYSTEINE

FIG. 13

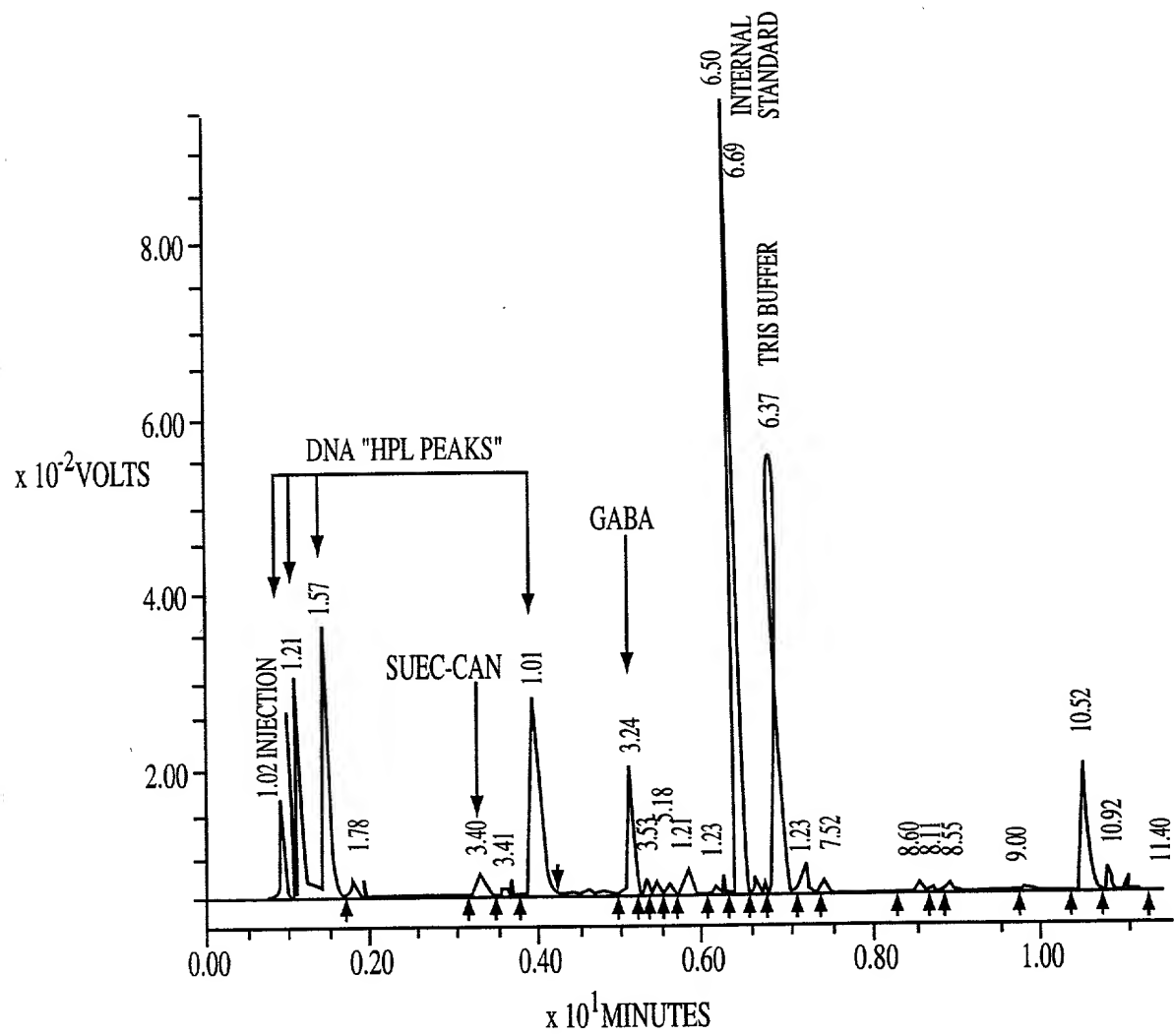


FIG. 14

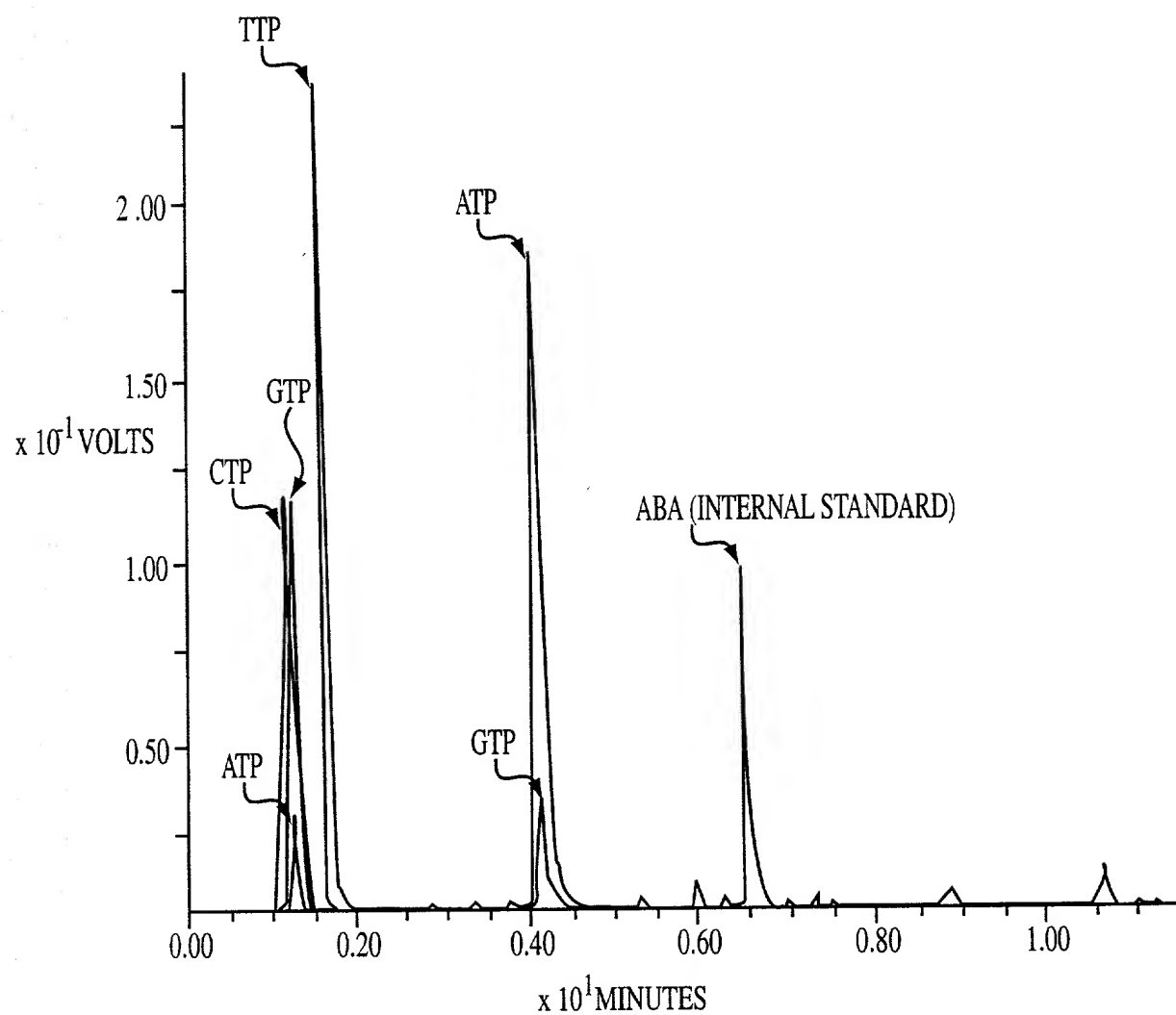


FIG. 15

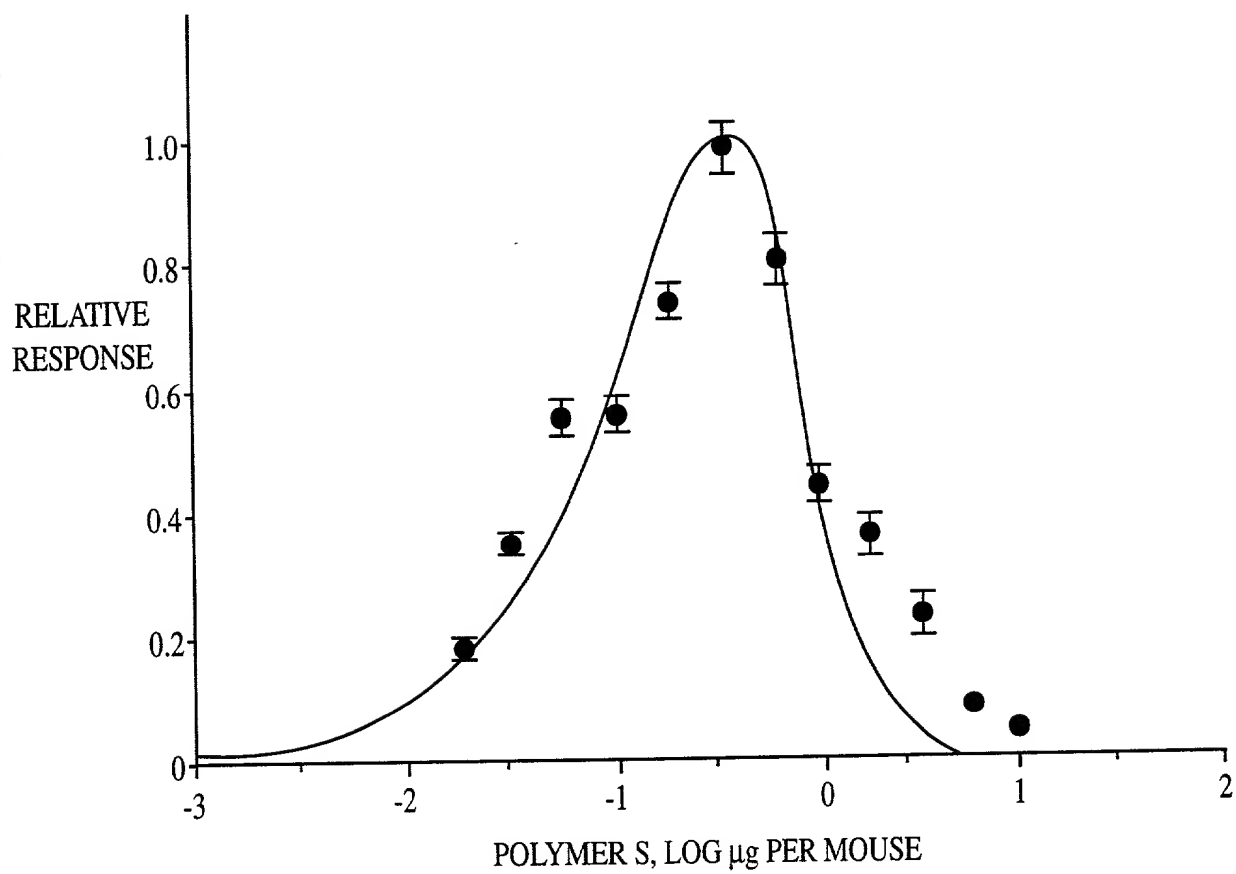


FIG. 16

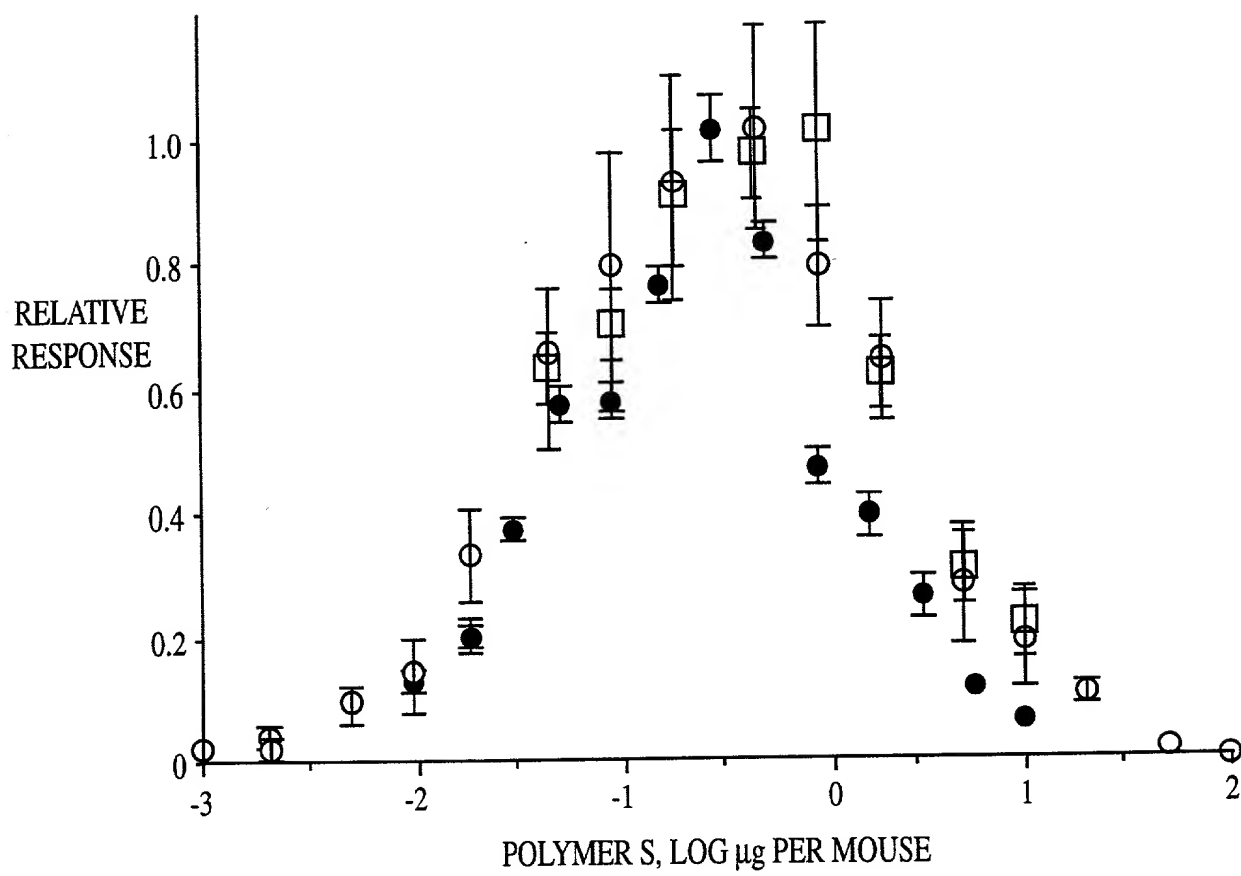


FIG. 17

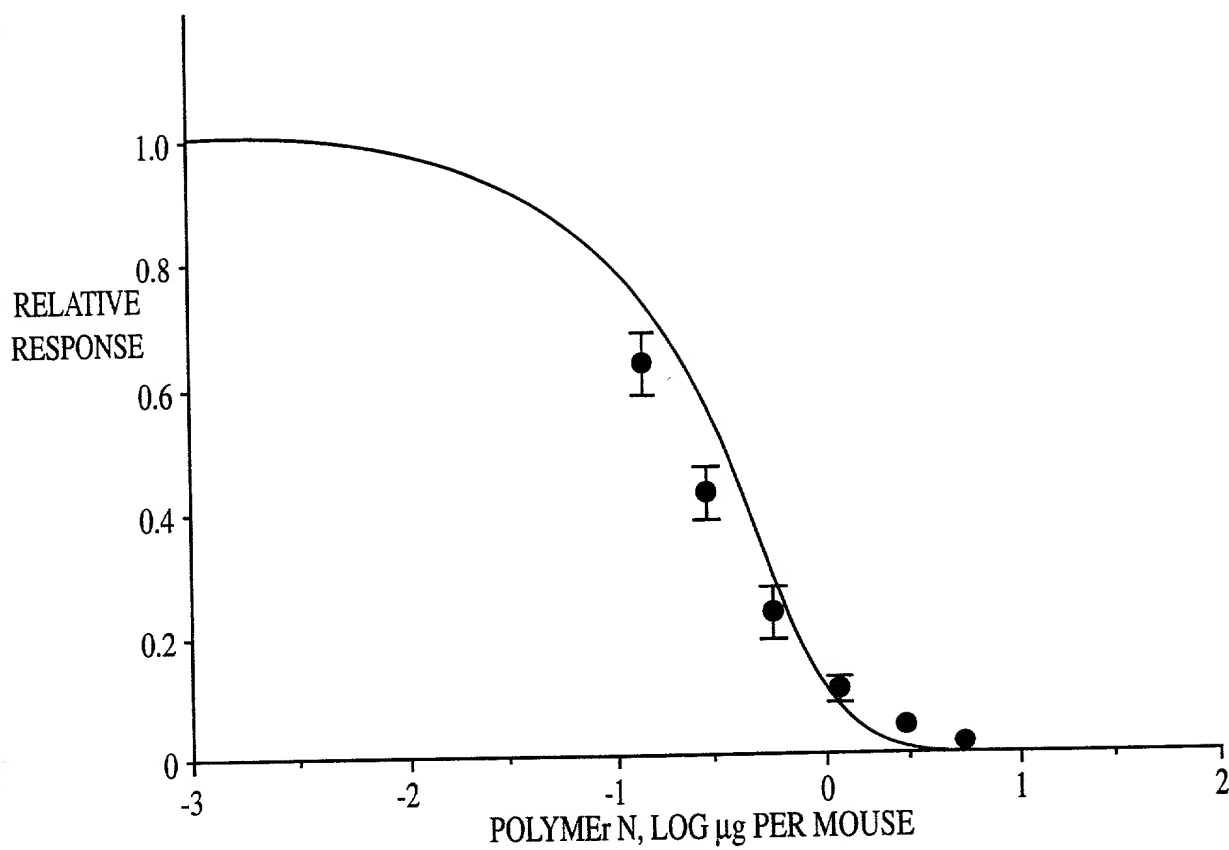


FIG. 18

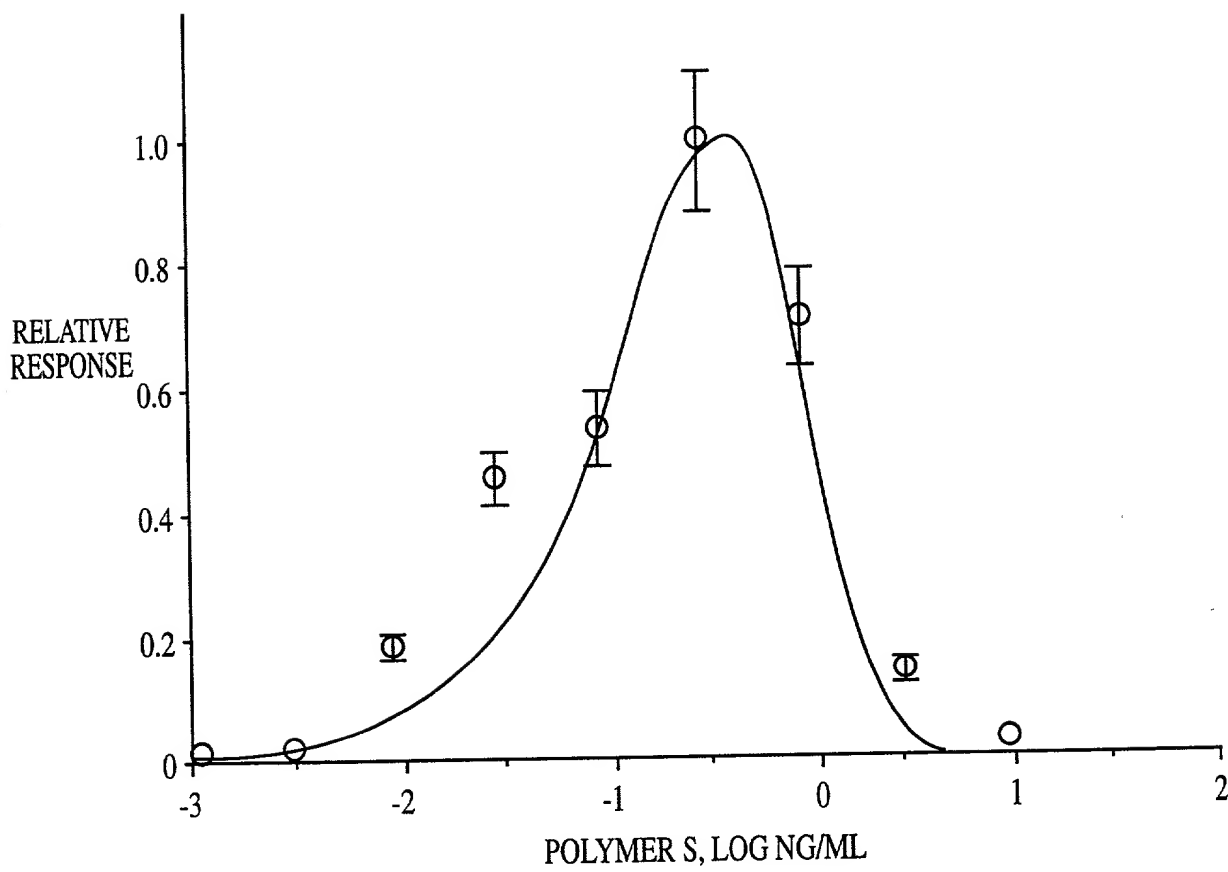


FIG. 19

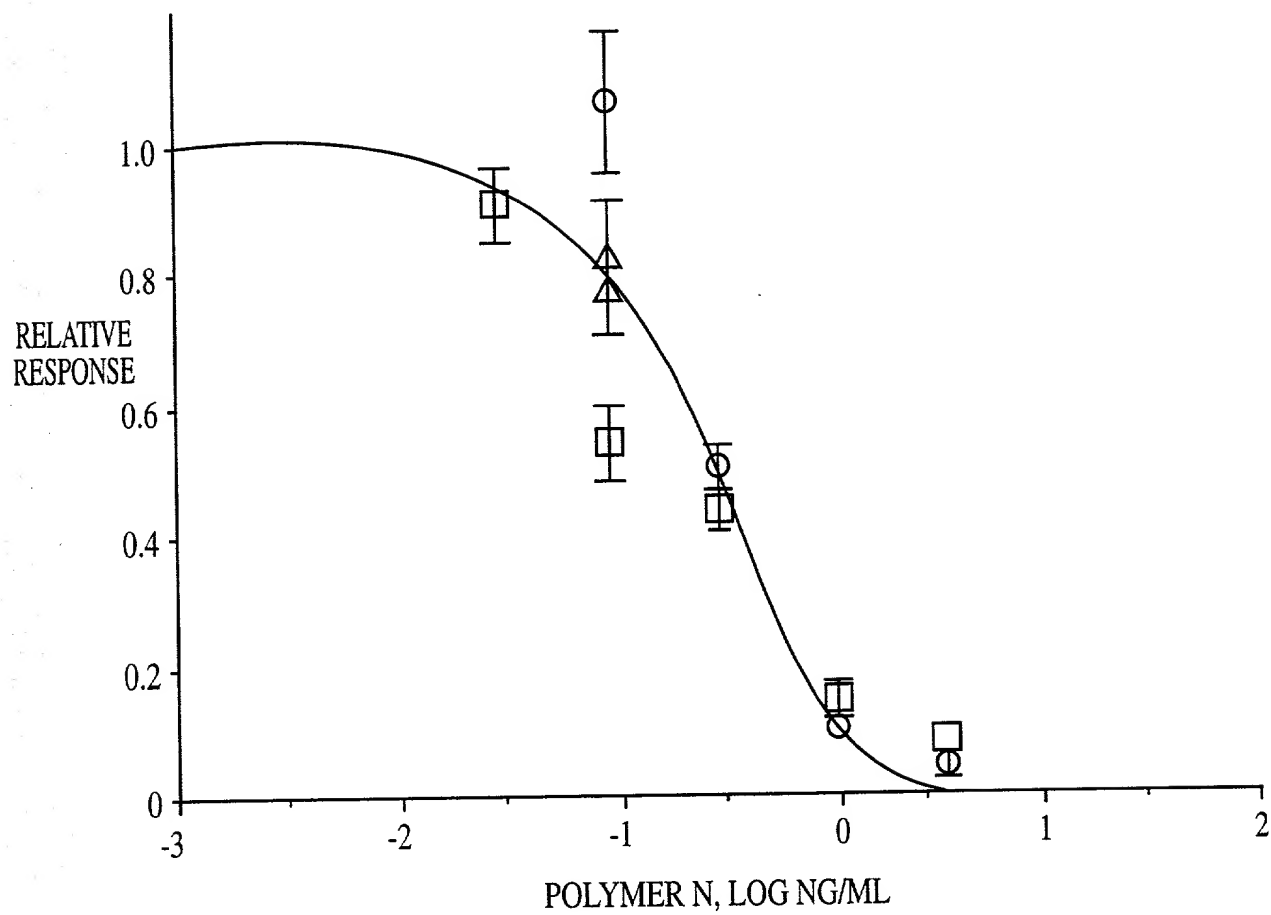


FIG. 20

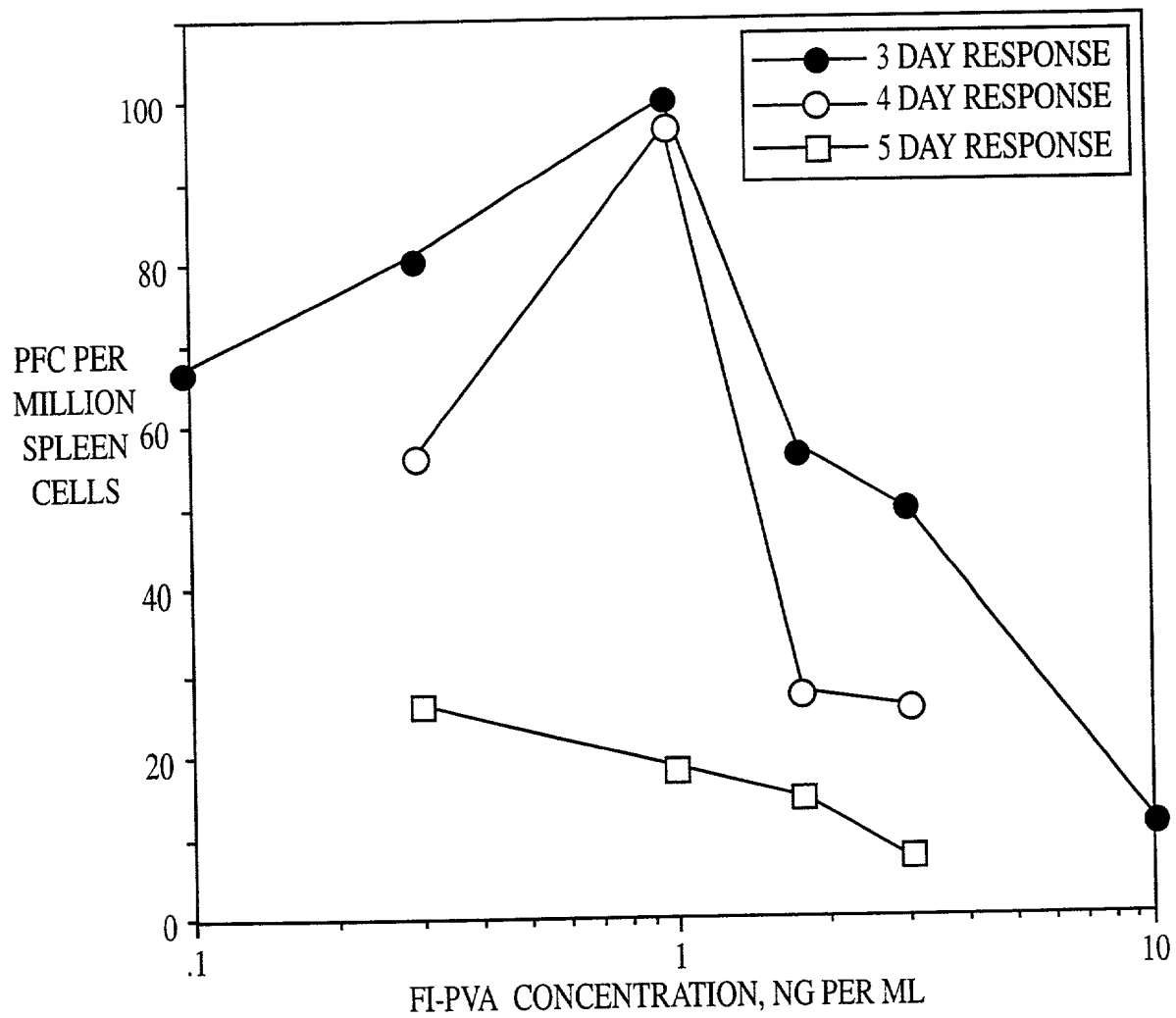


FIG. 21

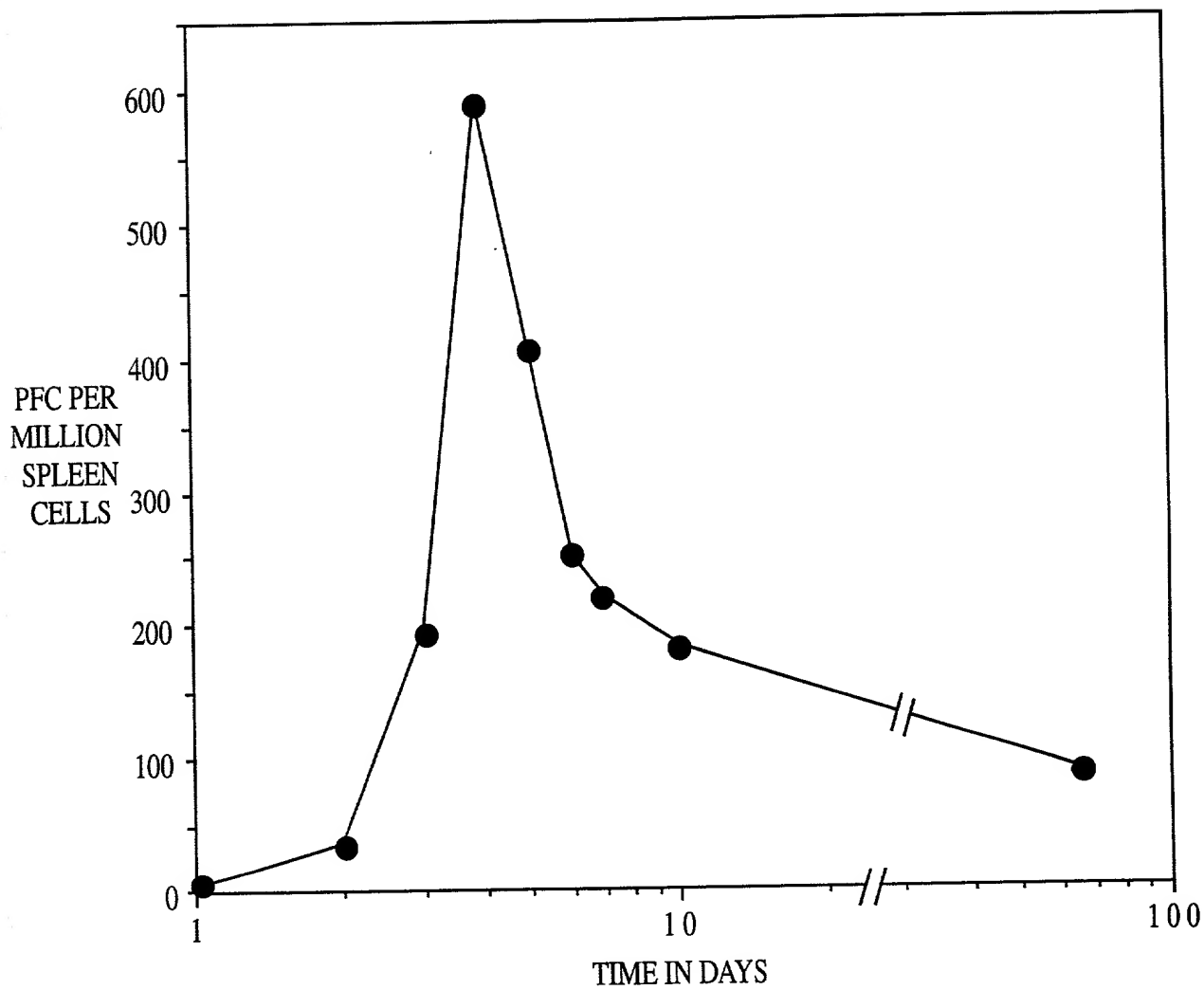


FIG. 22

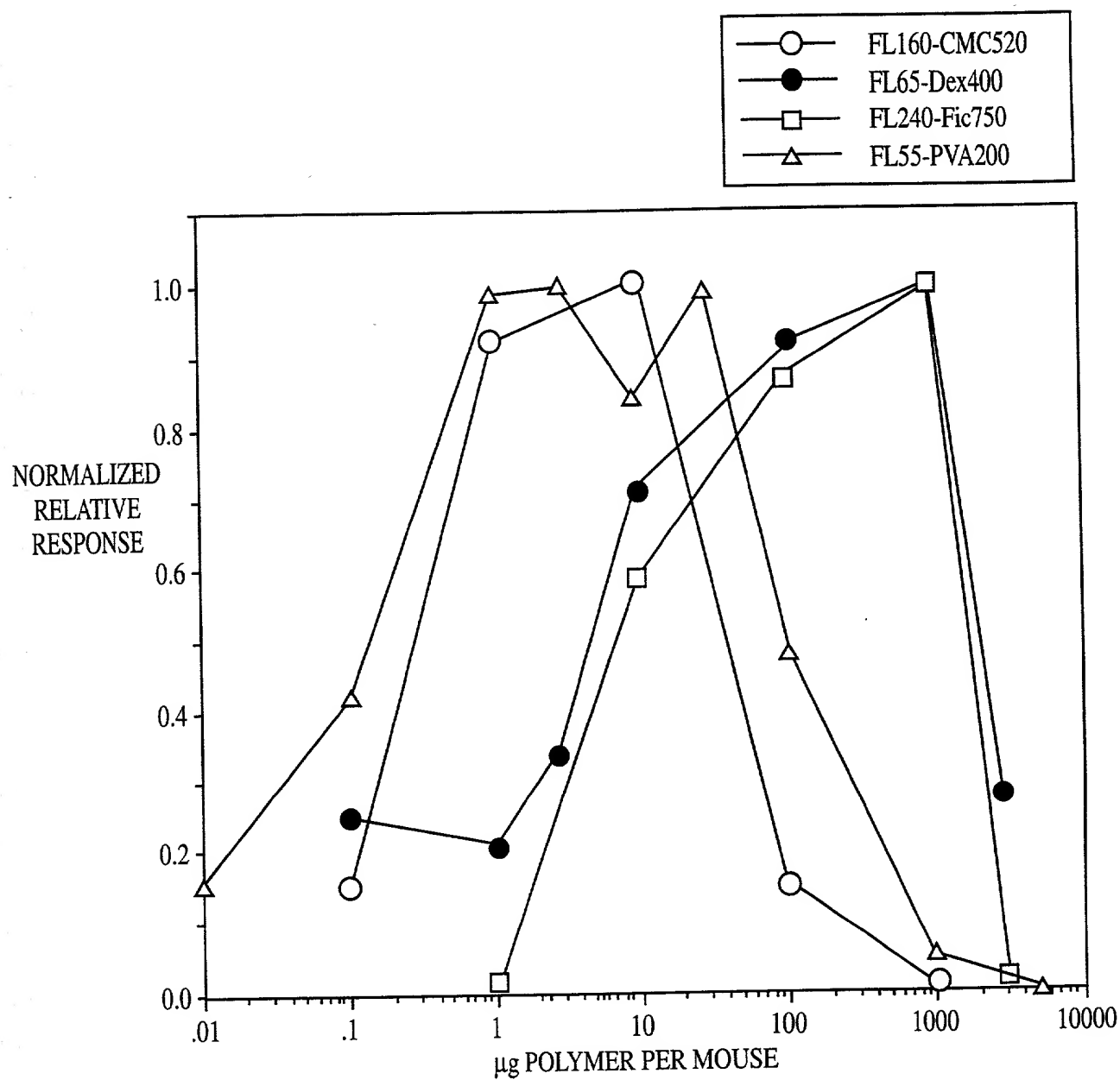


FIG. 23

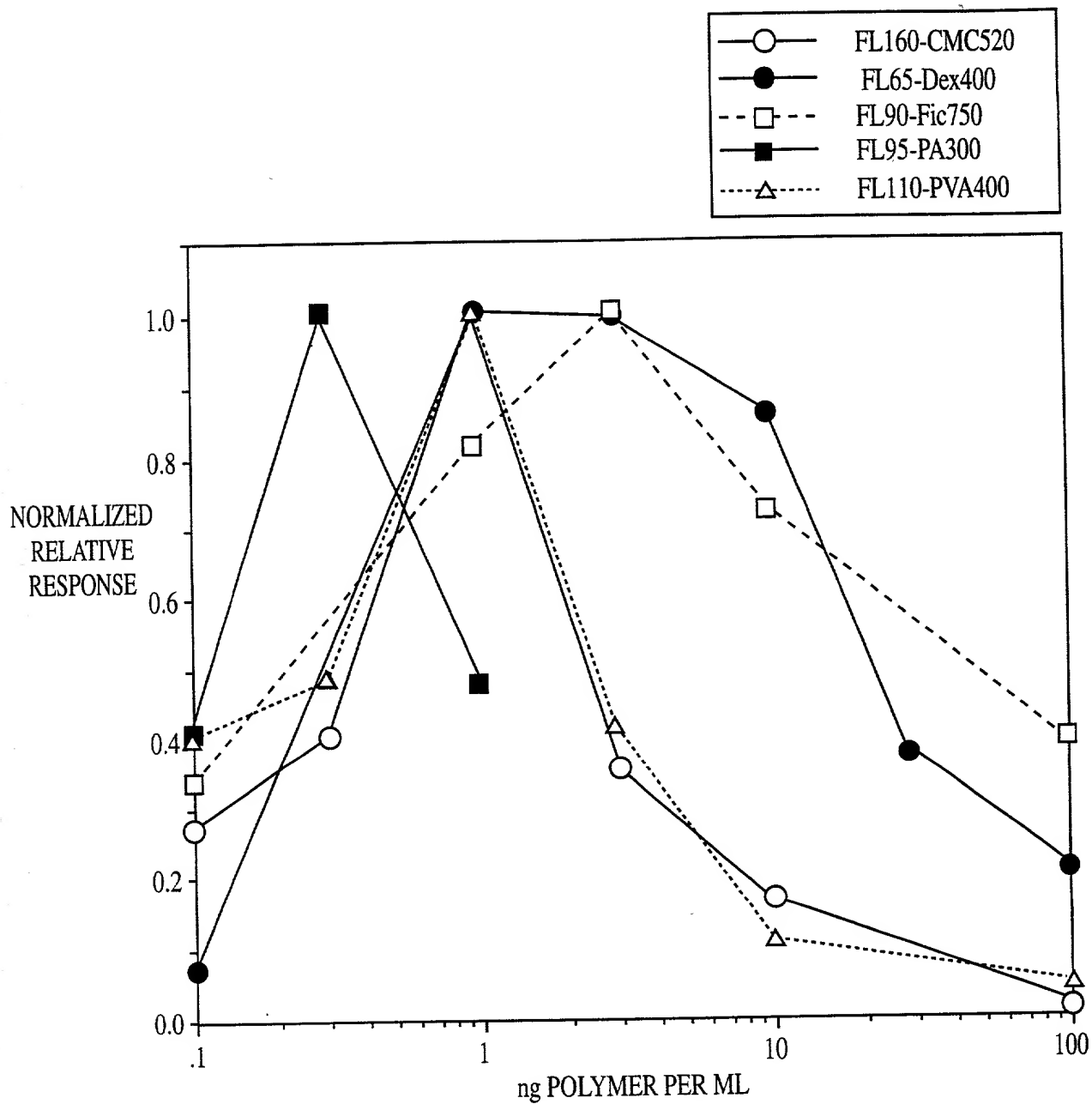


FIG. 24

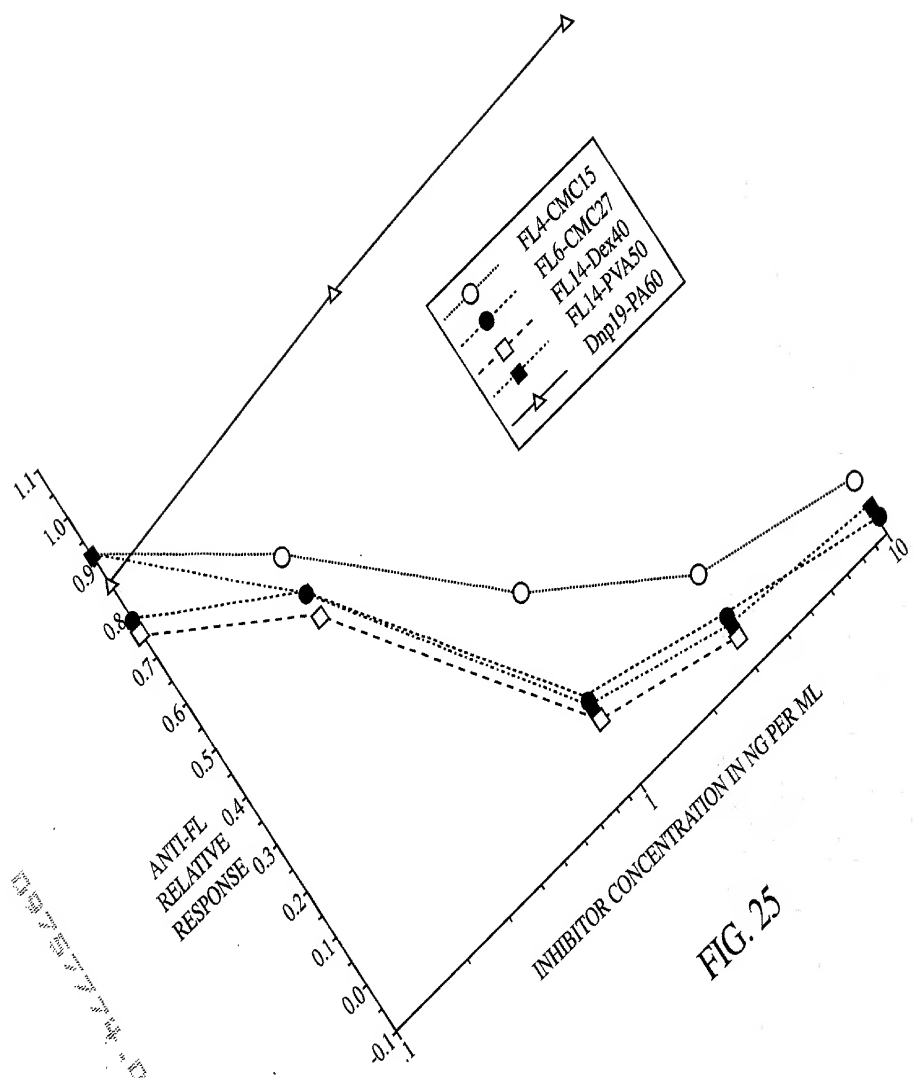


FIG. 25

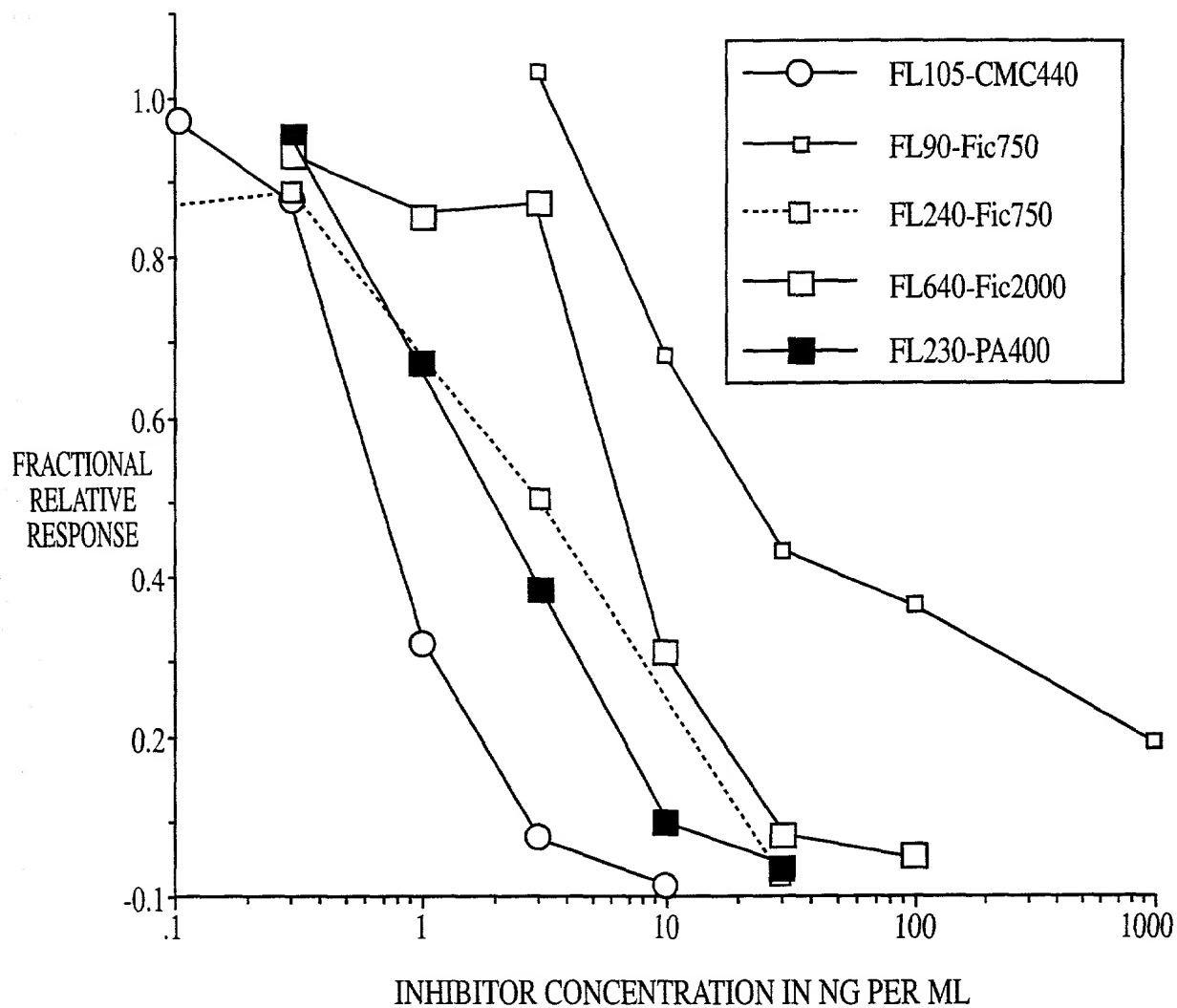


FIG. 26

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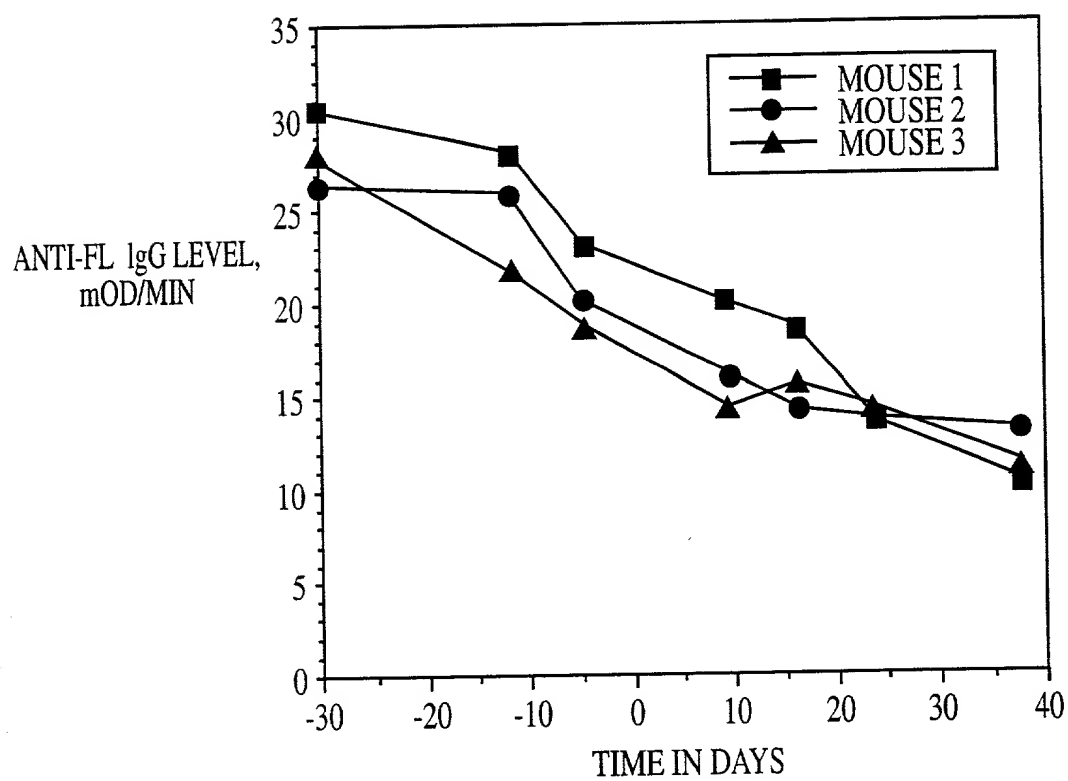


FIG. 27

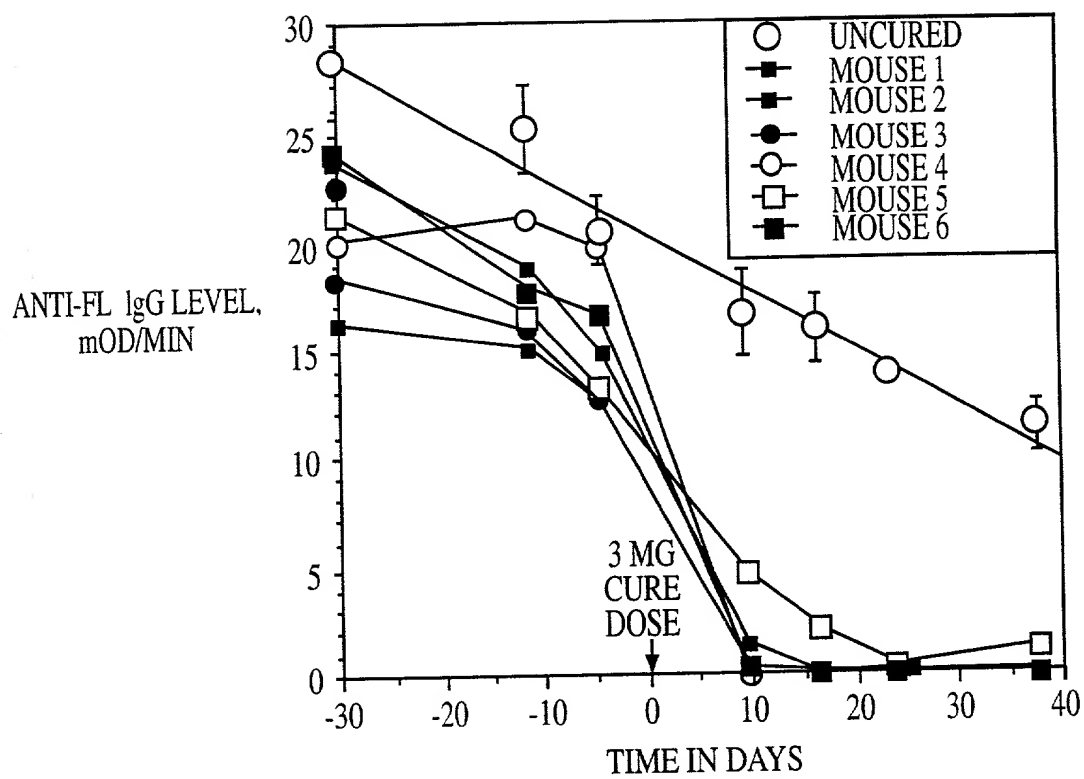


FIG. 28

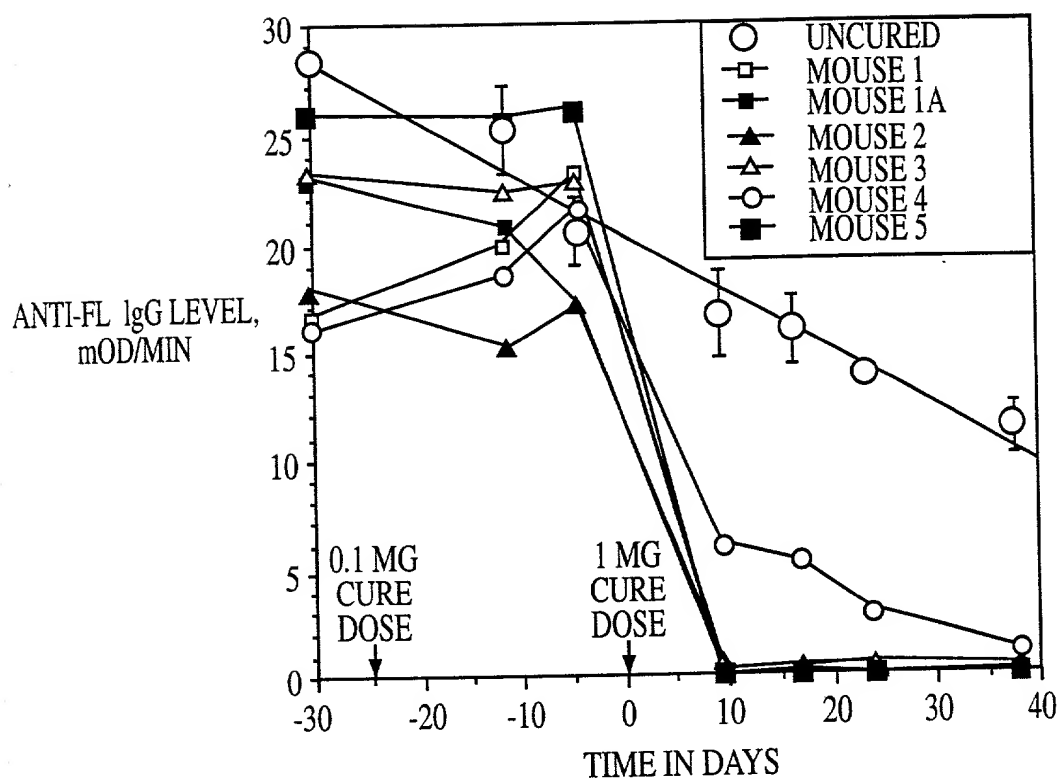


FIG. 29

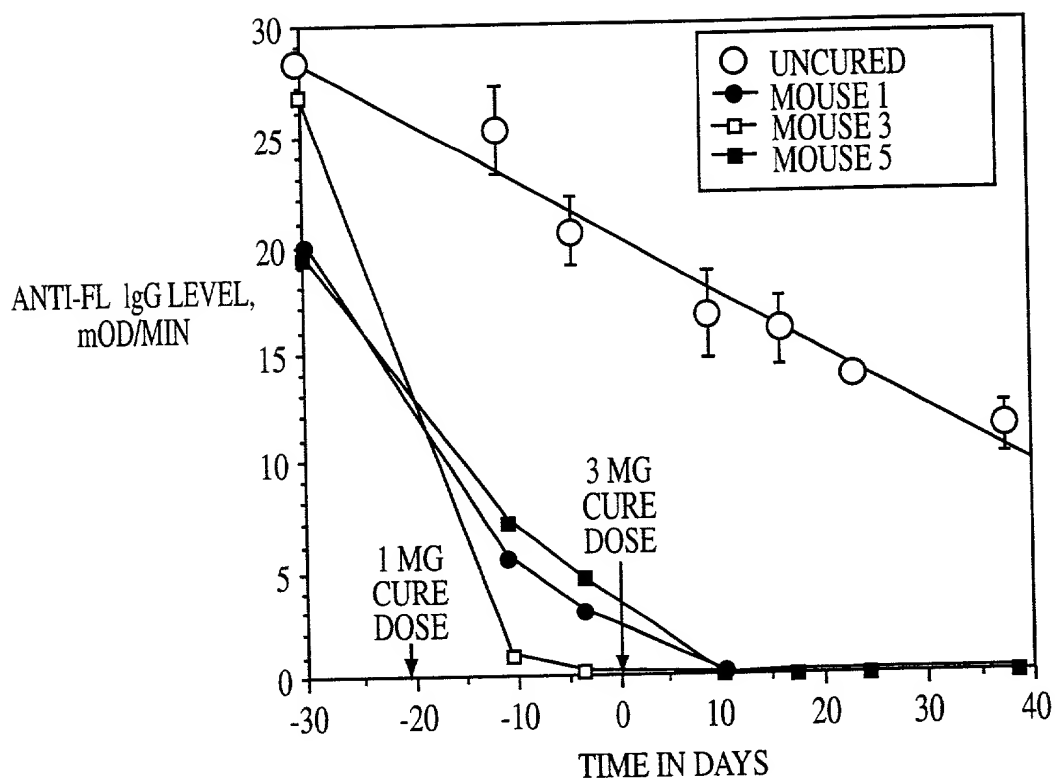


FIG. 30

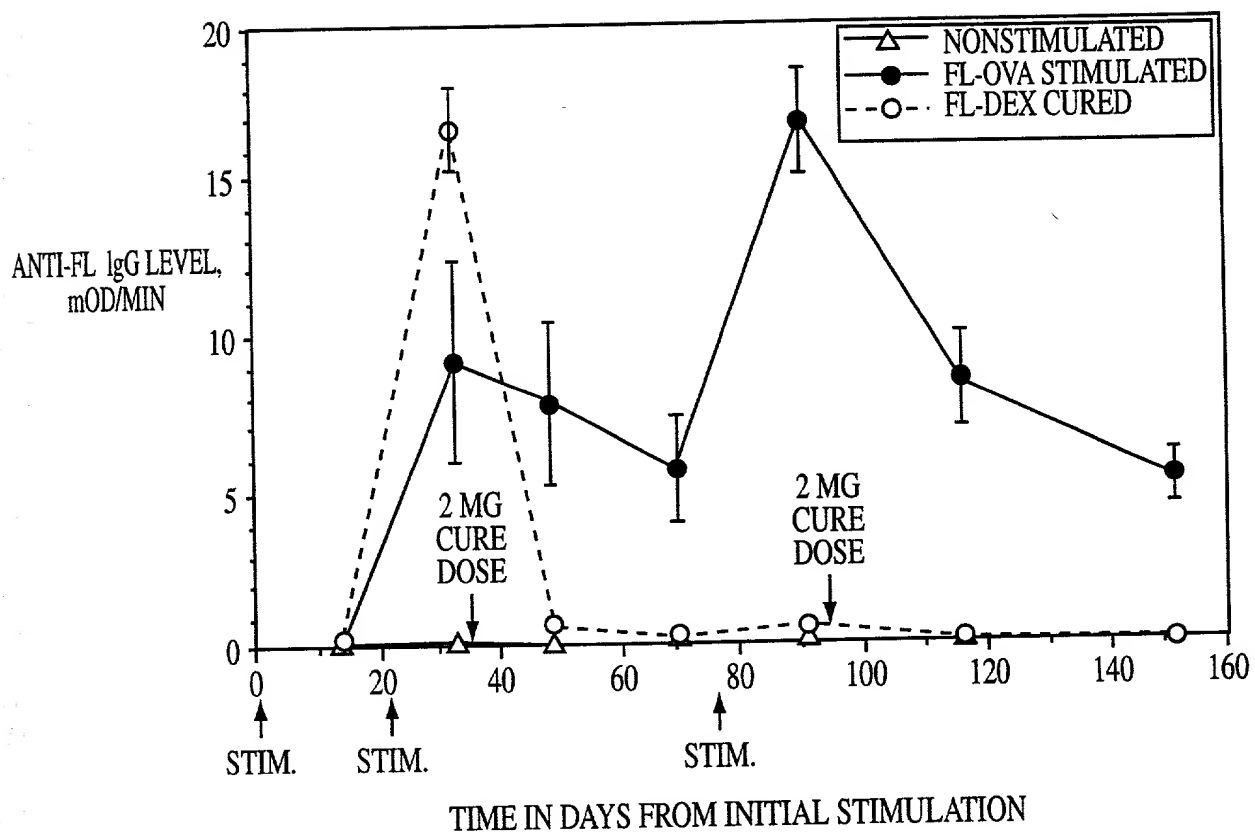


FIG. 31

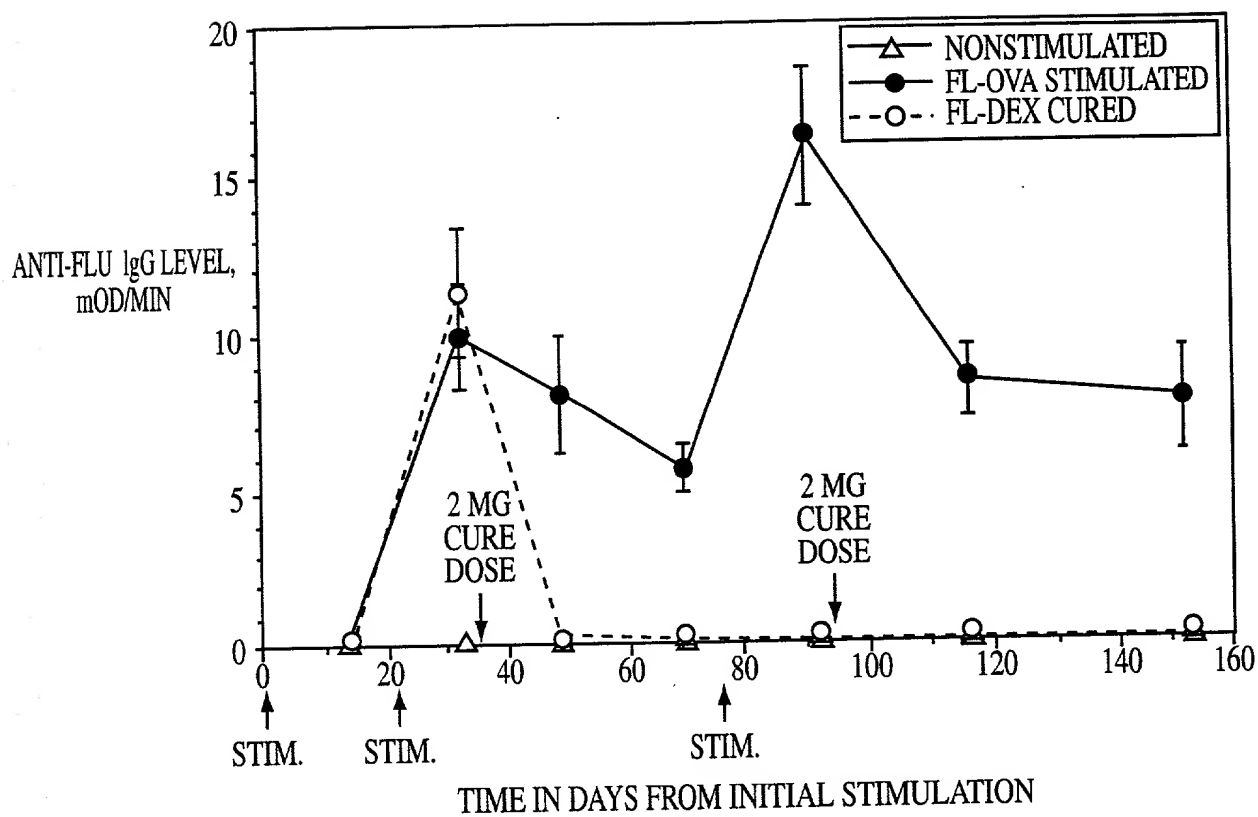


FIG. 32

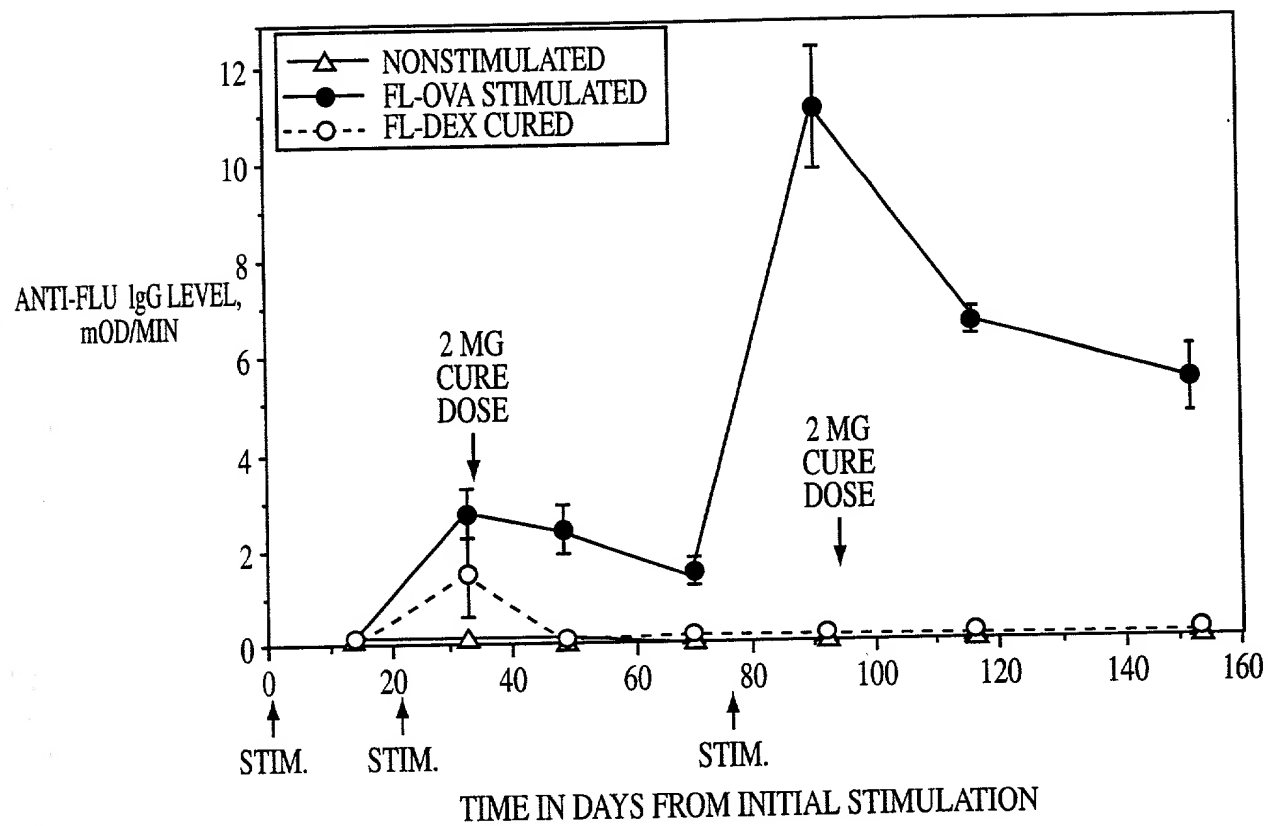


FIG. 33

CELLS PRODUCING
ANTI-FL IgG
ANTIBODY PER 300,00
SPLEEN CELLS

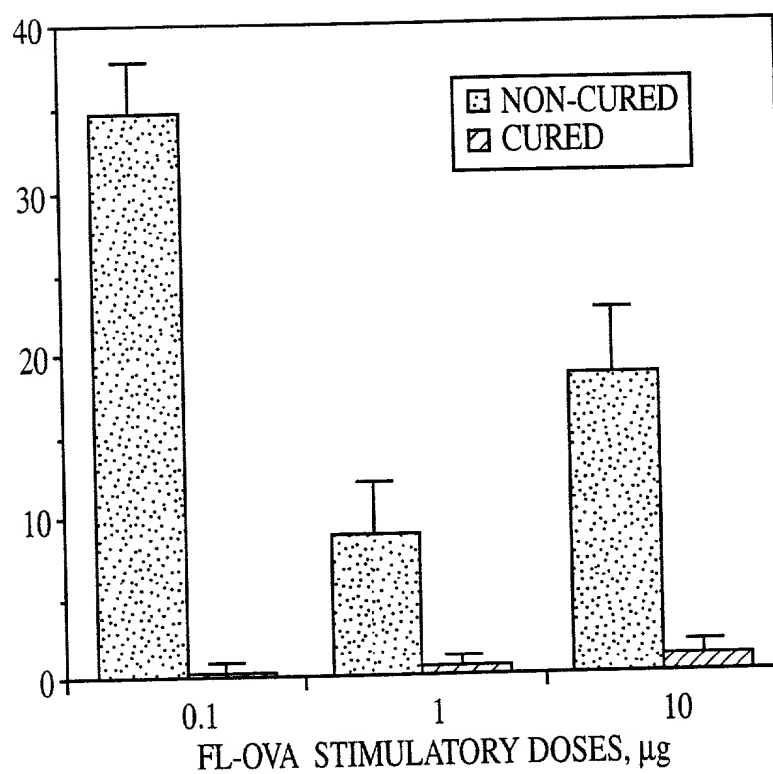


FIG. 34

PERCENT REDUCTION
OF NUMBER OF
CELLS SECRETING
ANTI-FL IgG ANTIBODY

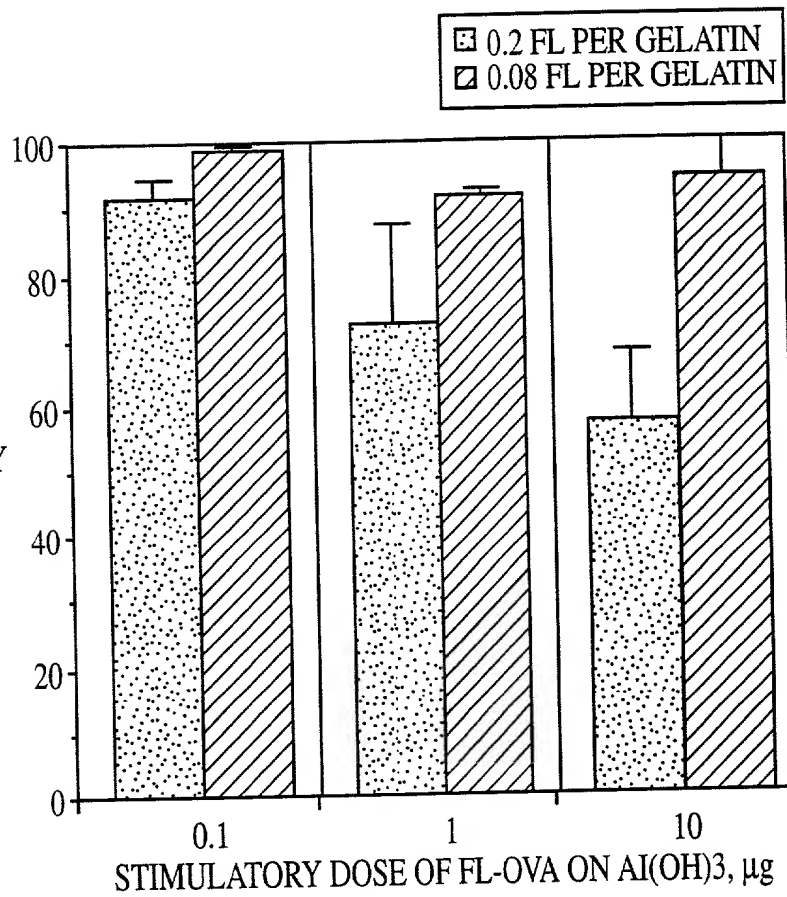


FIG. 35

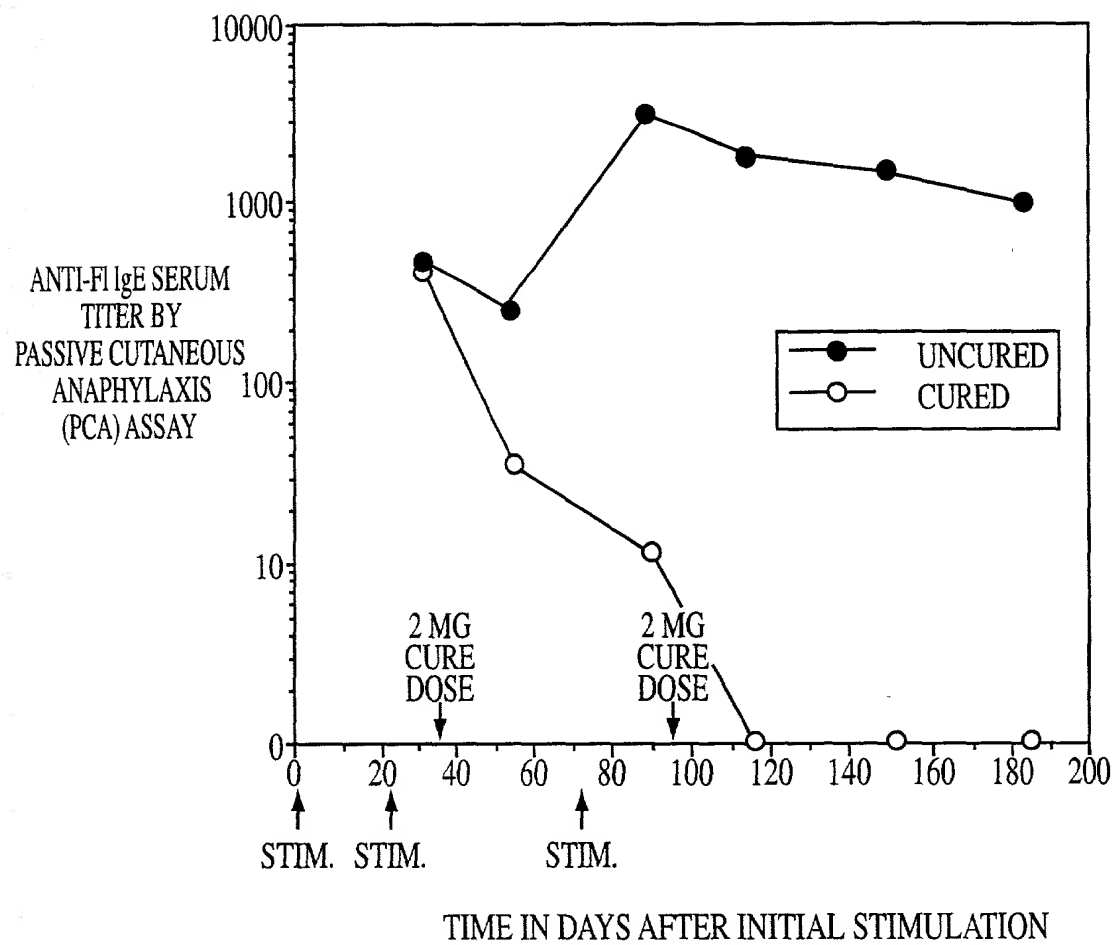
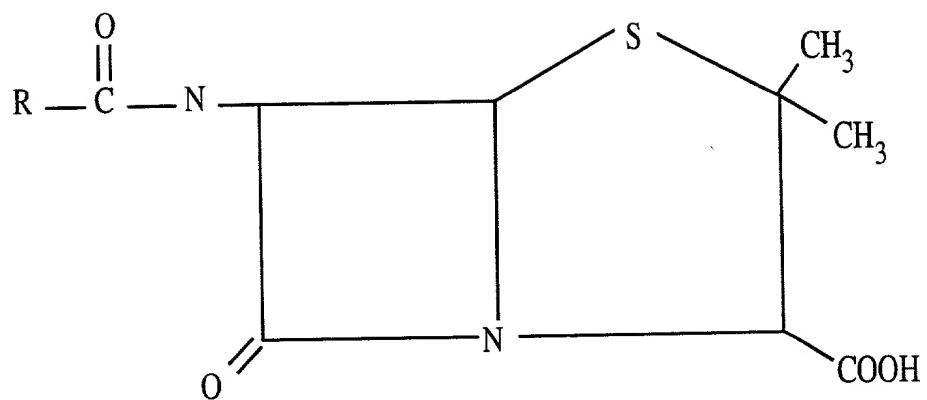
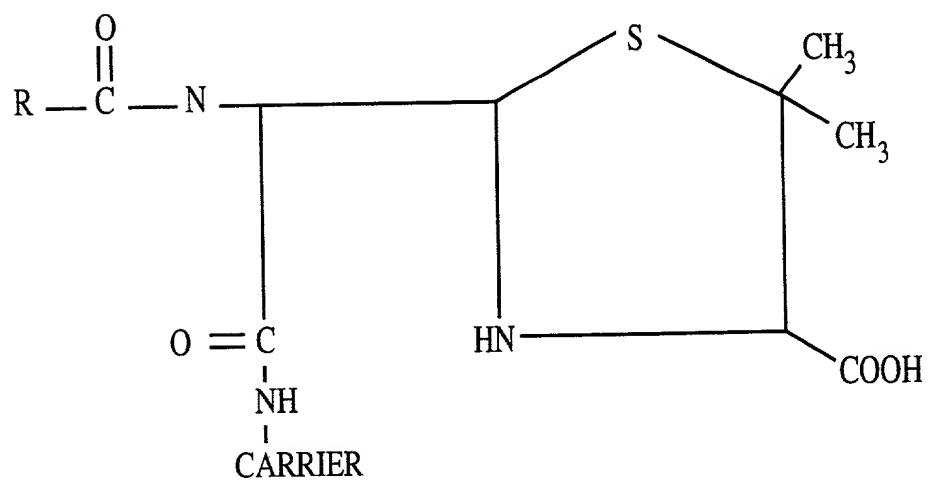


FIG. 36



PENICILLIN



PENICILLOYL

FIG. 37

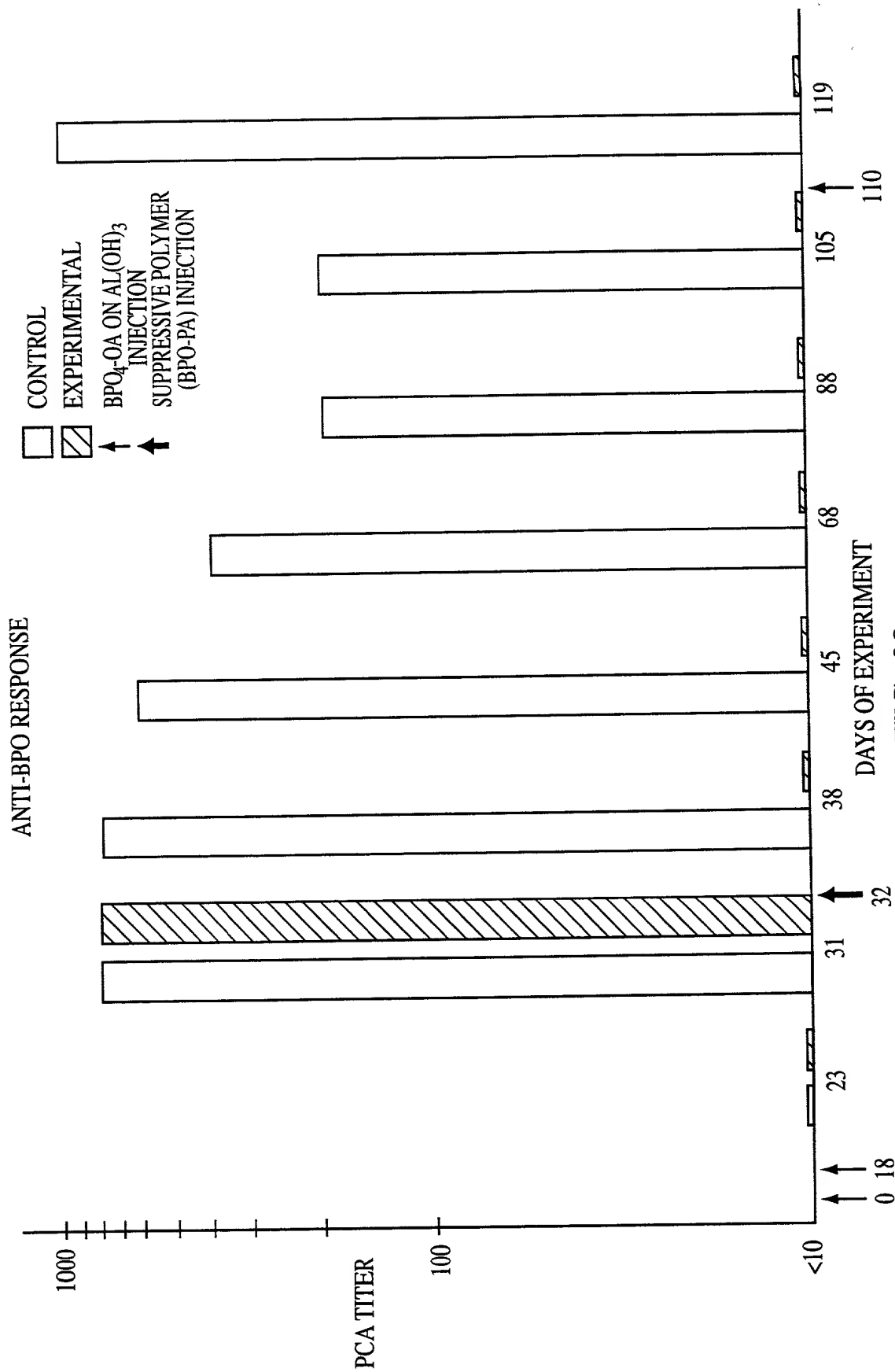


FIG. 38a

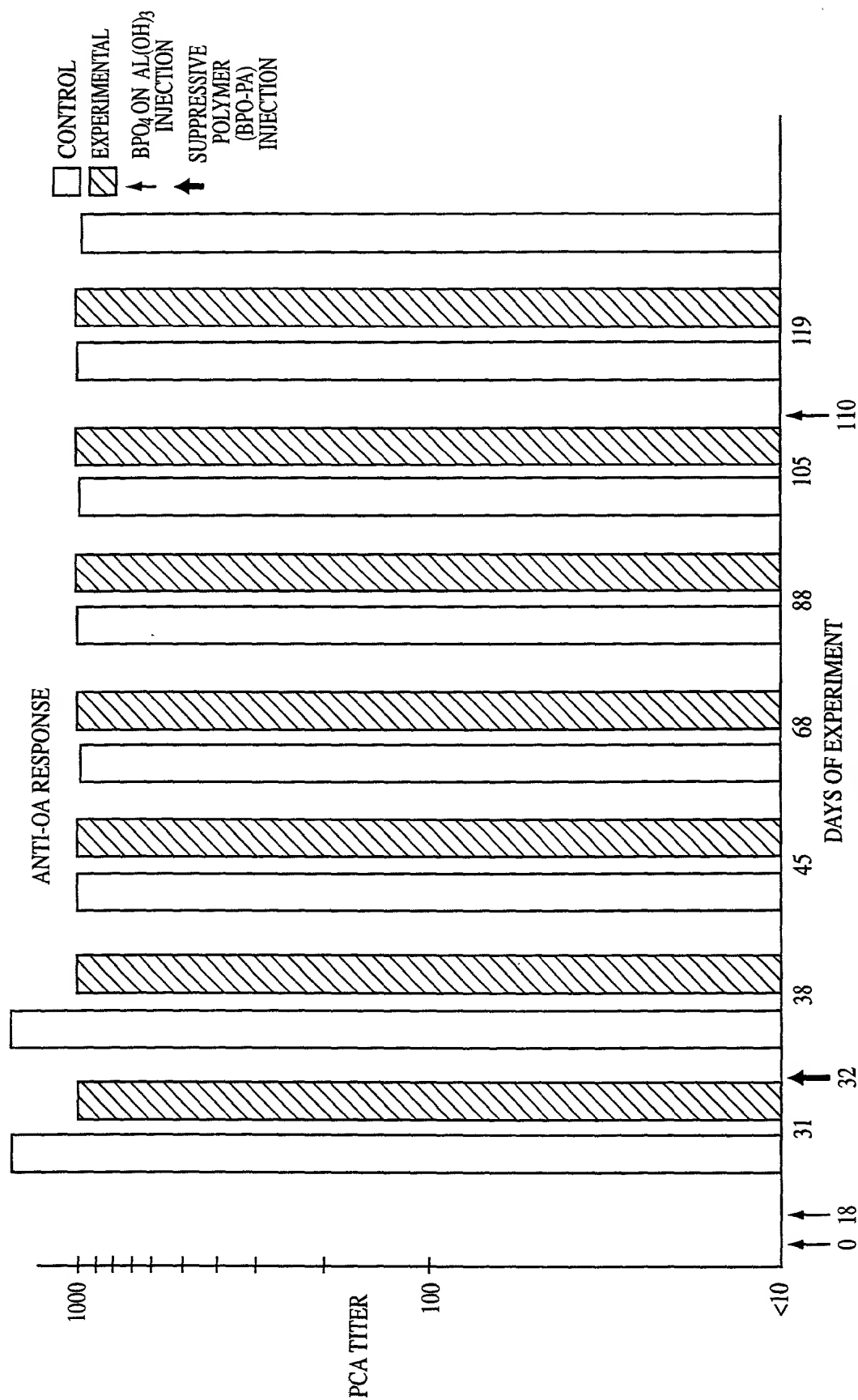


FIG. 38b

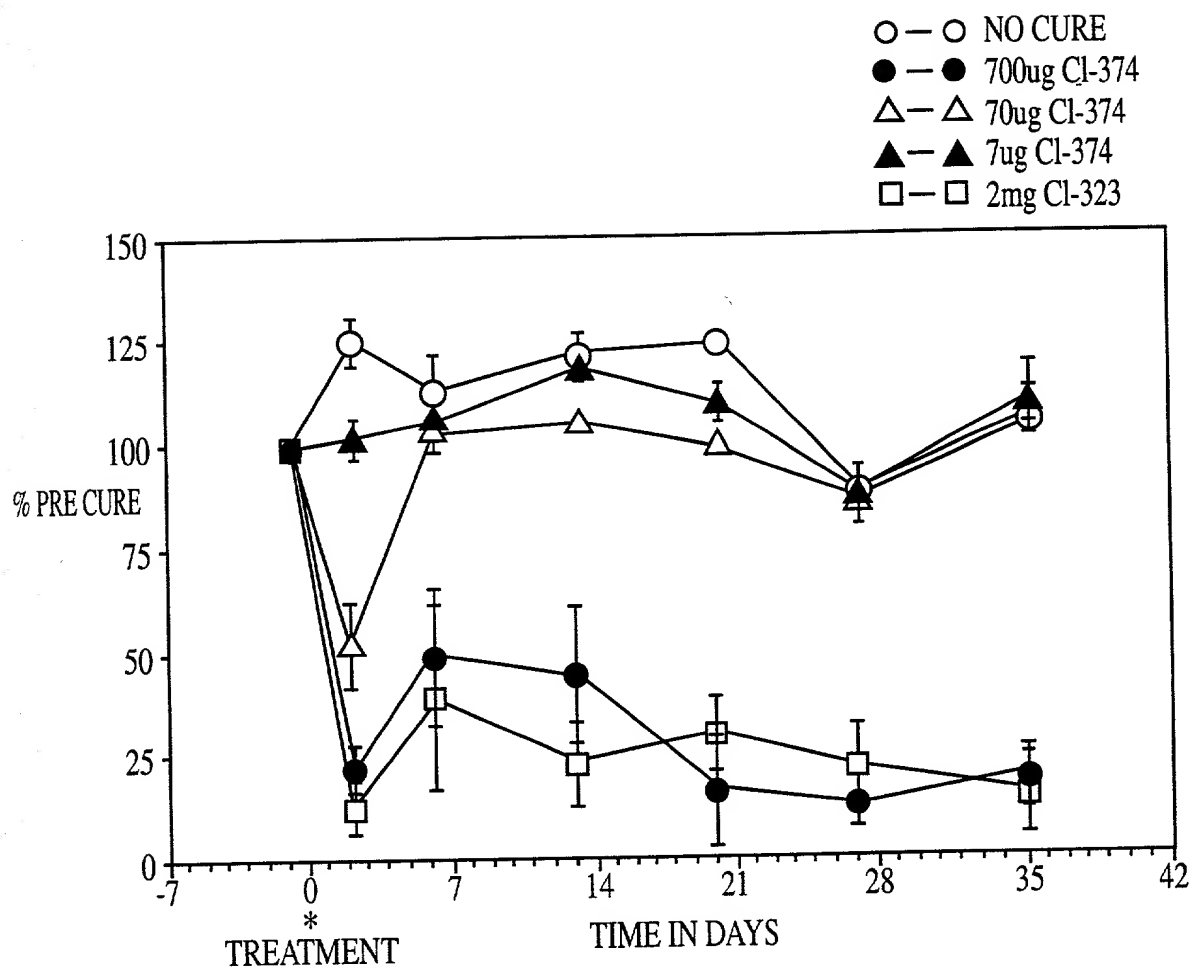


FIG. 39

SERUM ANTI-BSA
IgM LEVEL,
mOD/MIN

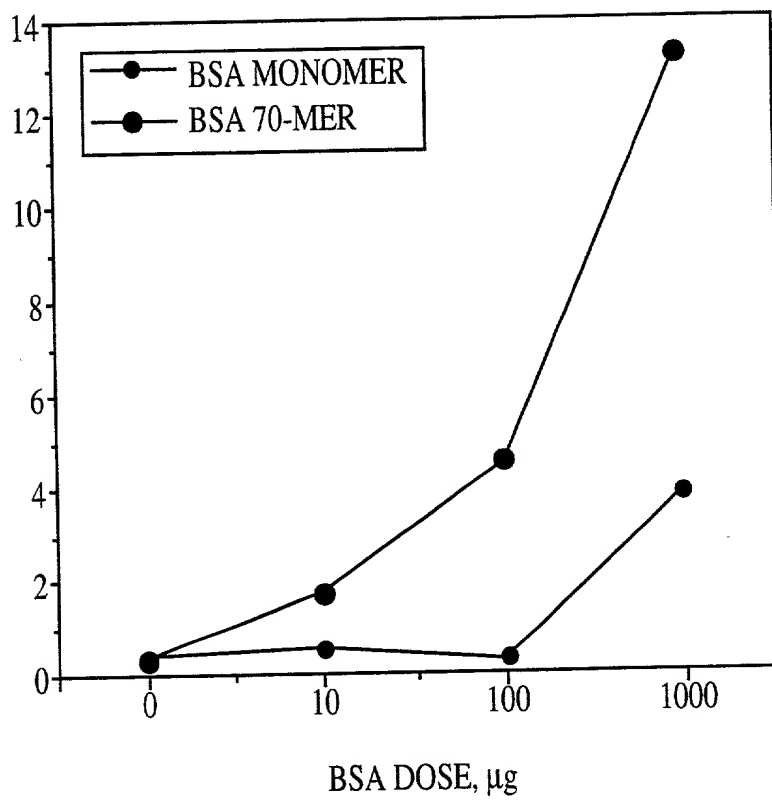


FIG. 40

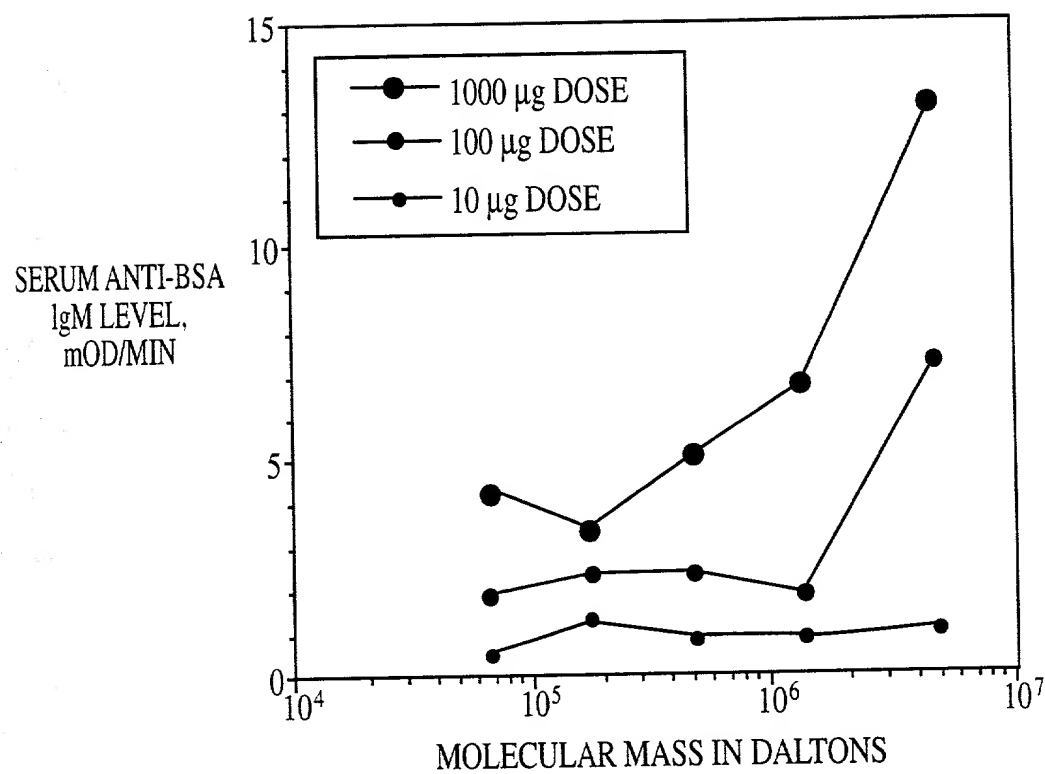


FIG. 41

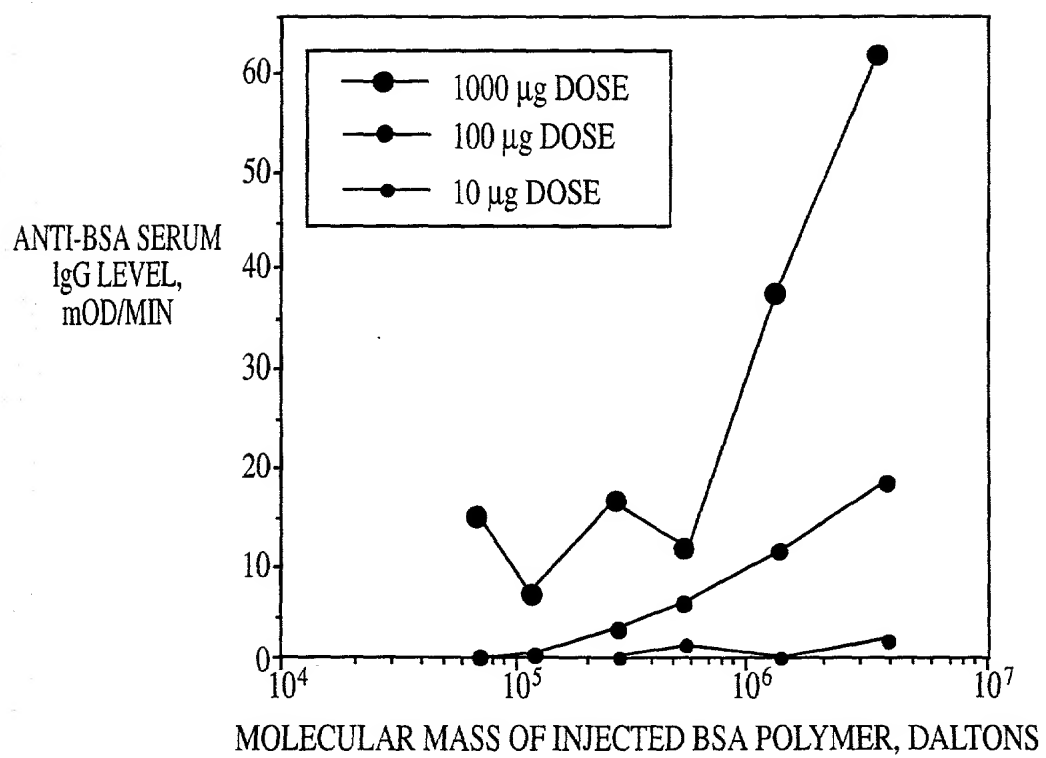


FIG. 42

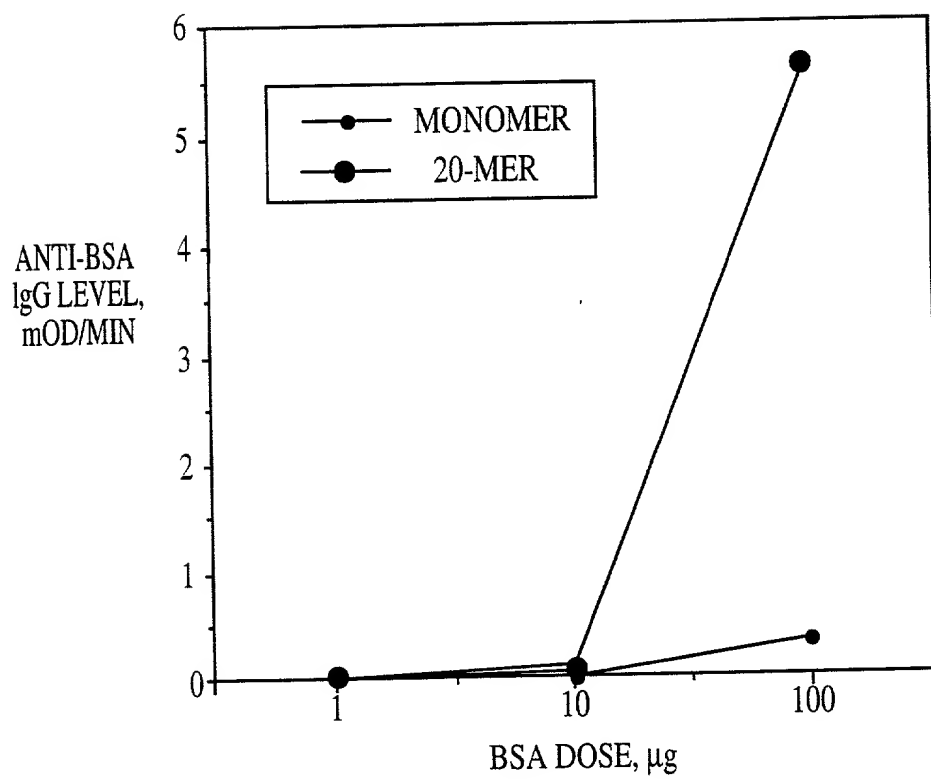


FIG. 43

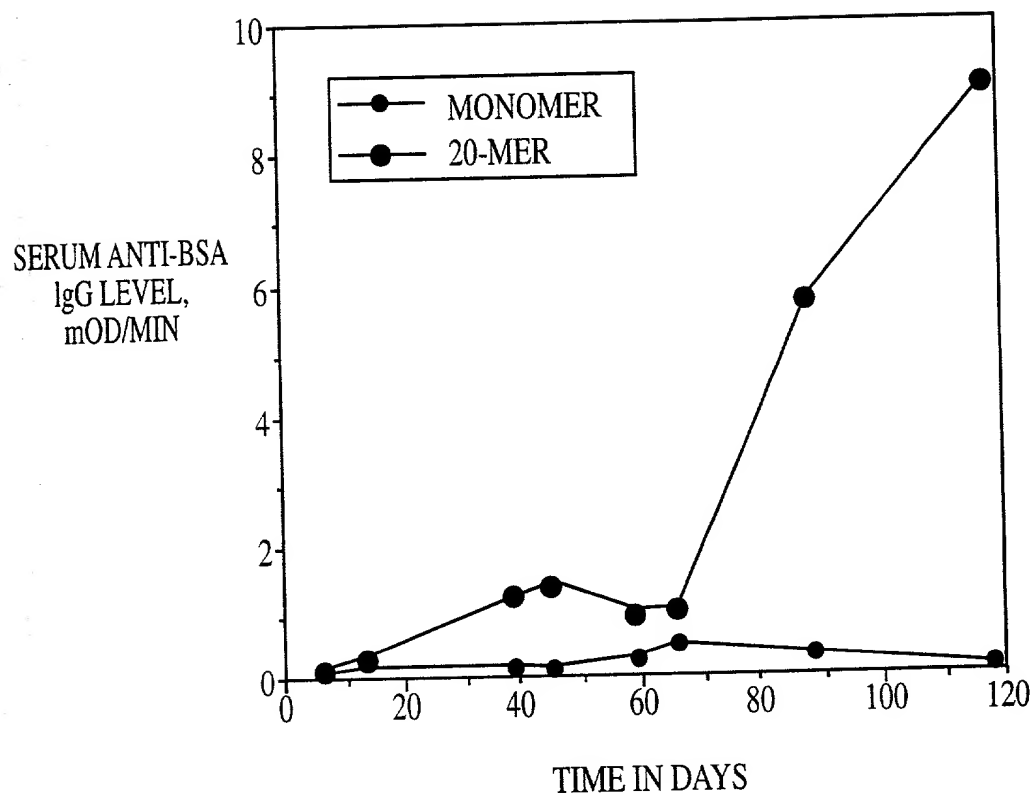


FIG. 44

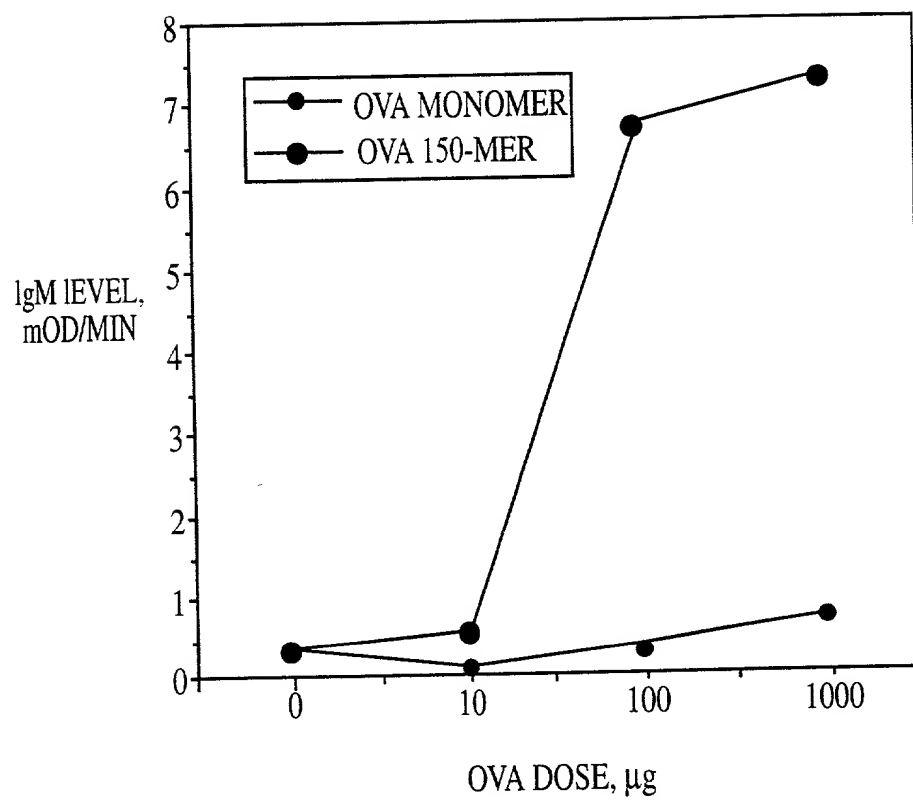


FIG. 45

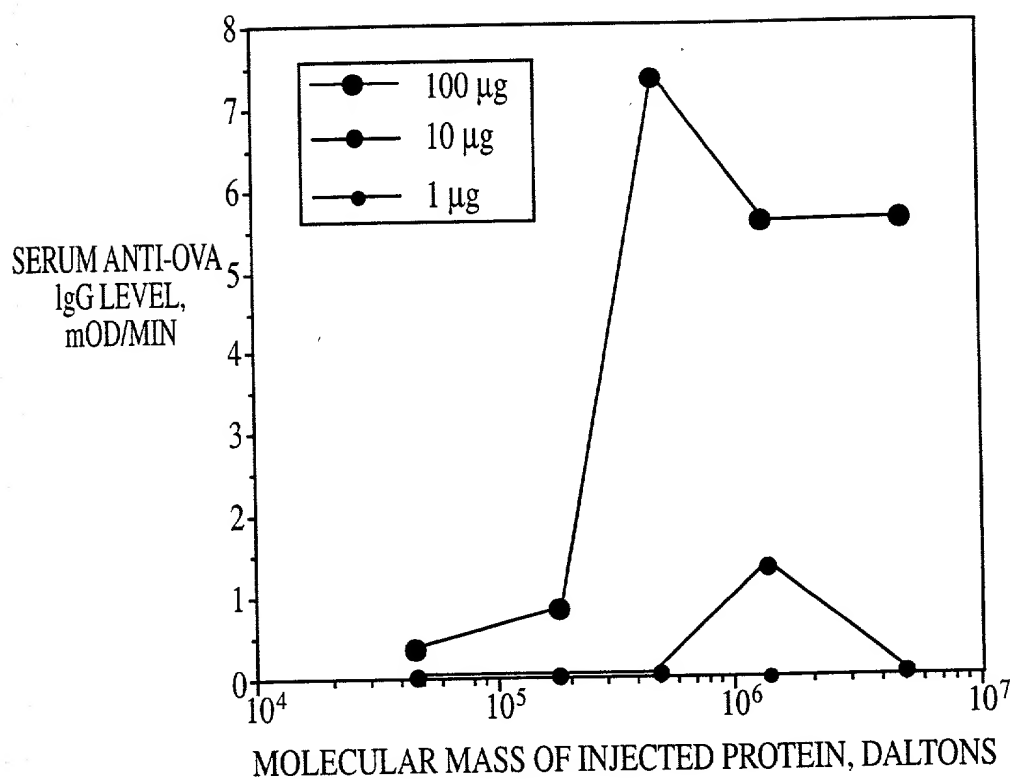


FIG. 46

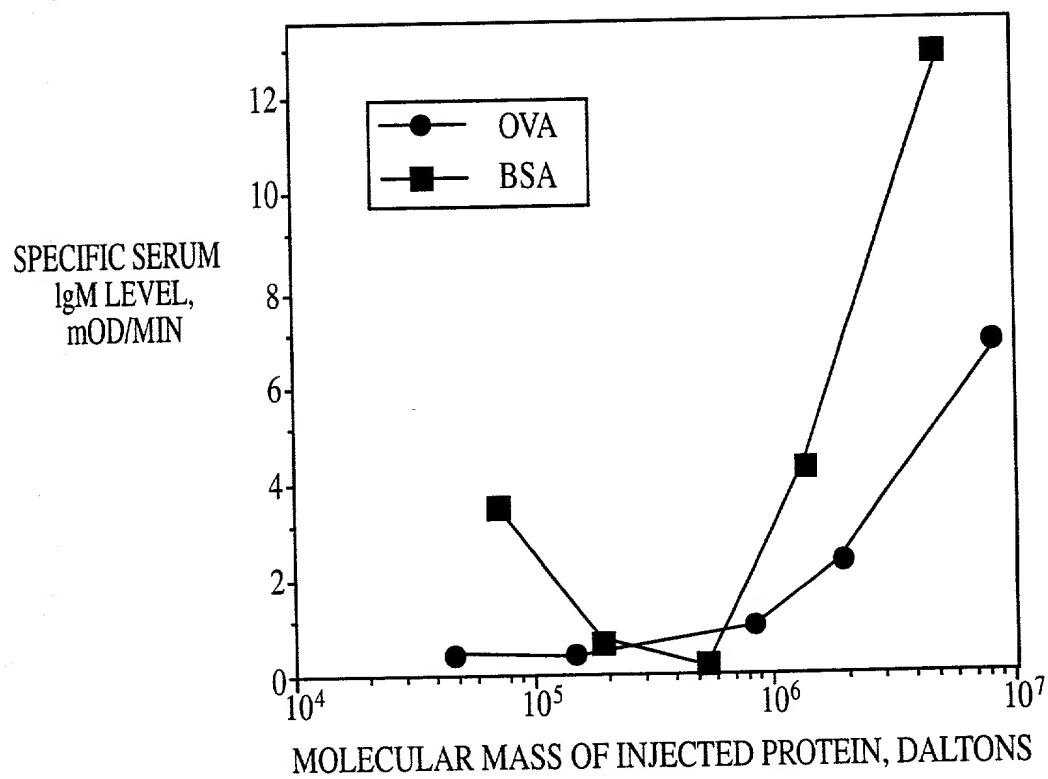


FIG. 47

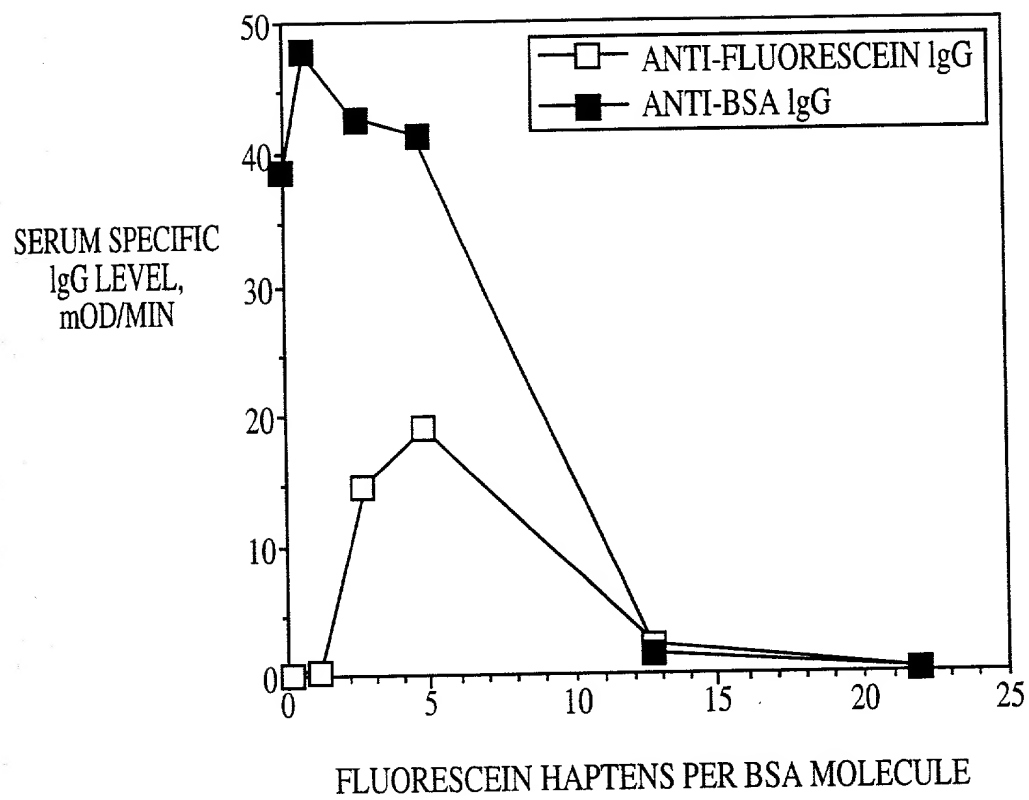


FIG. 48

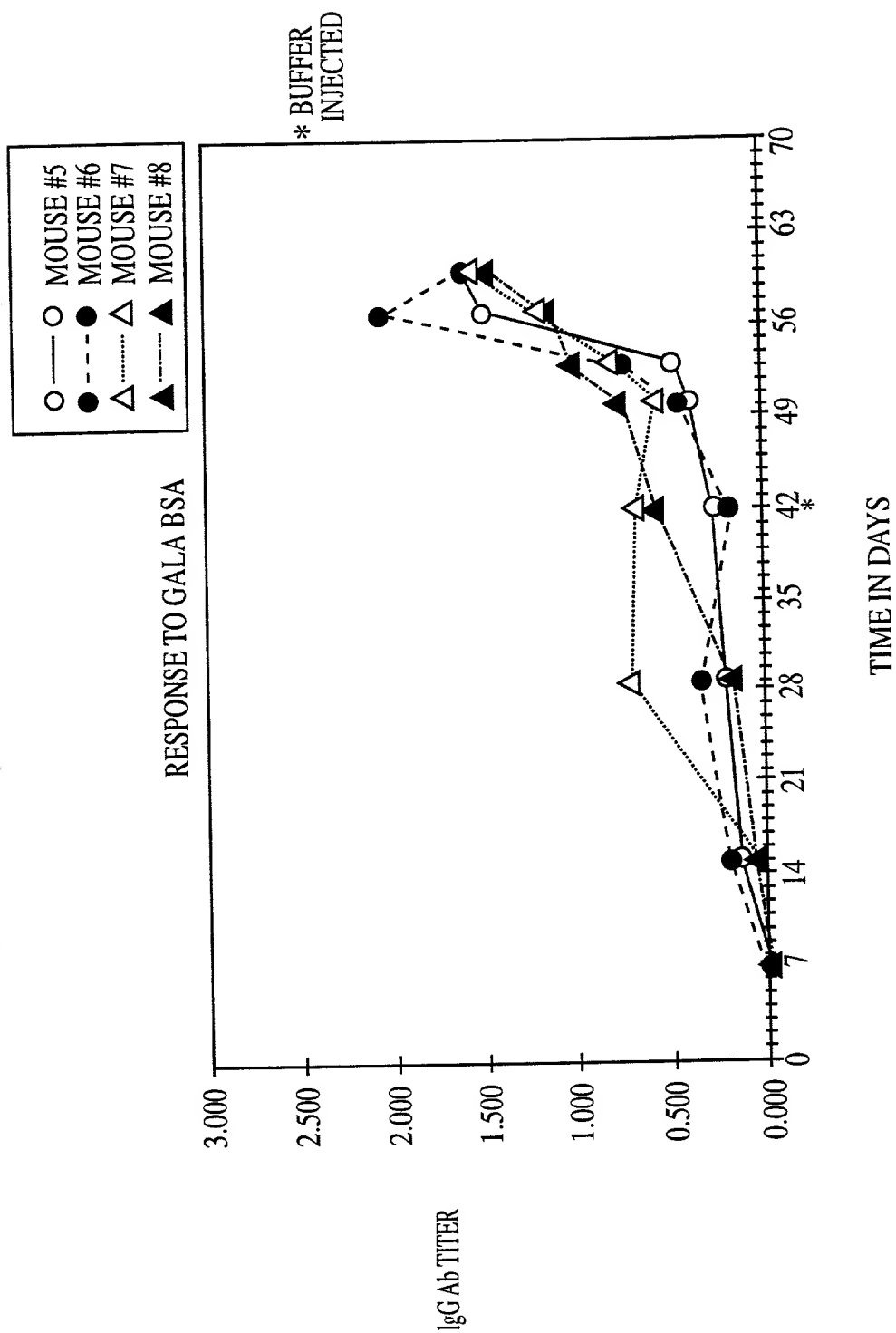


FIG. 49

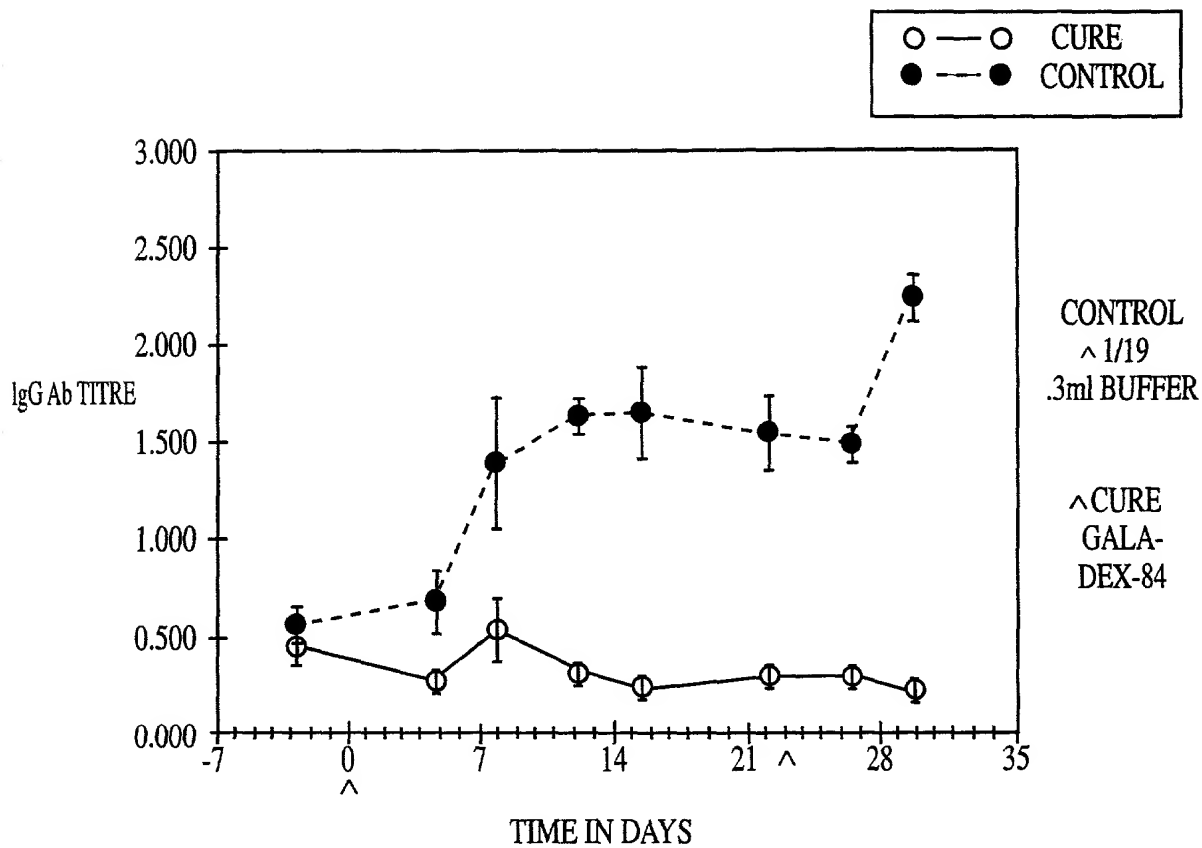


FIG. 50

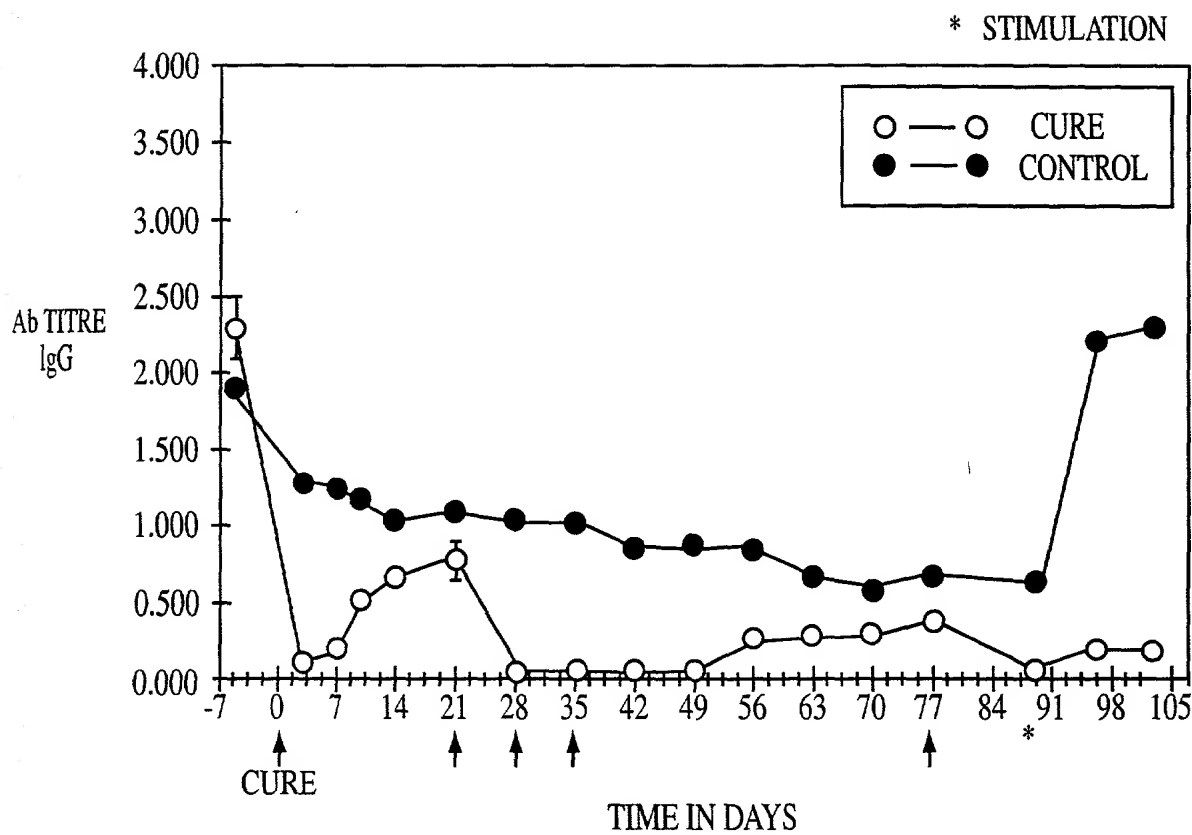


FIG. 51

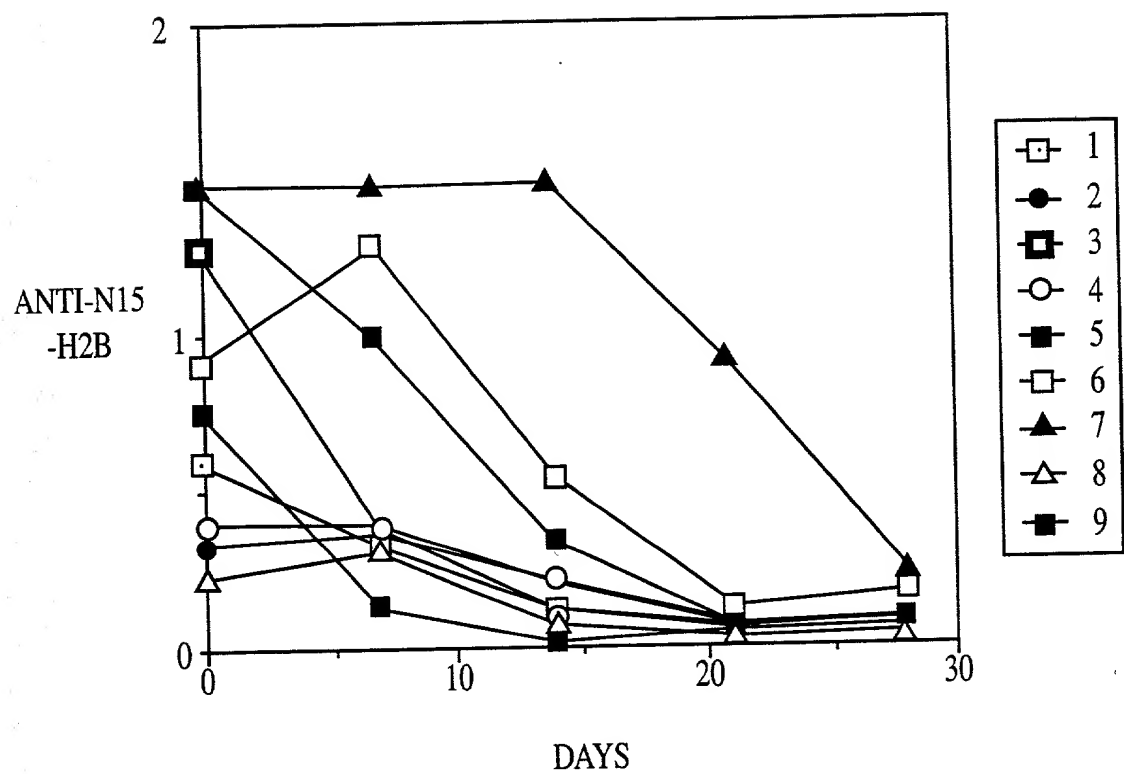


FIG. 52a

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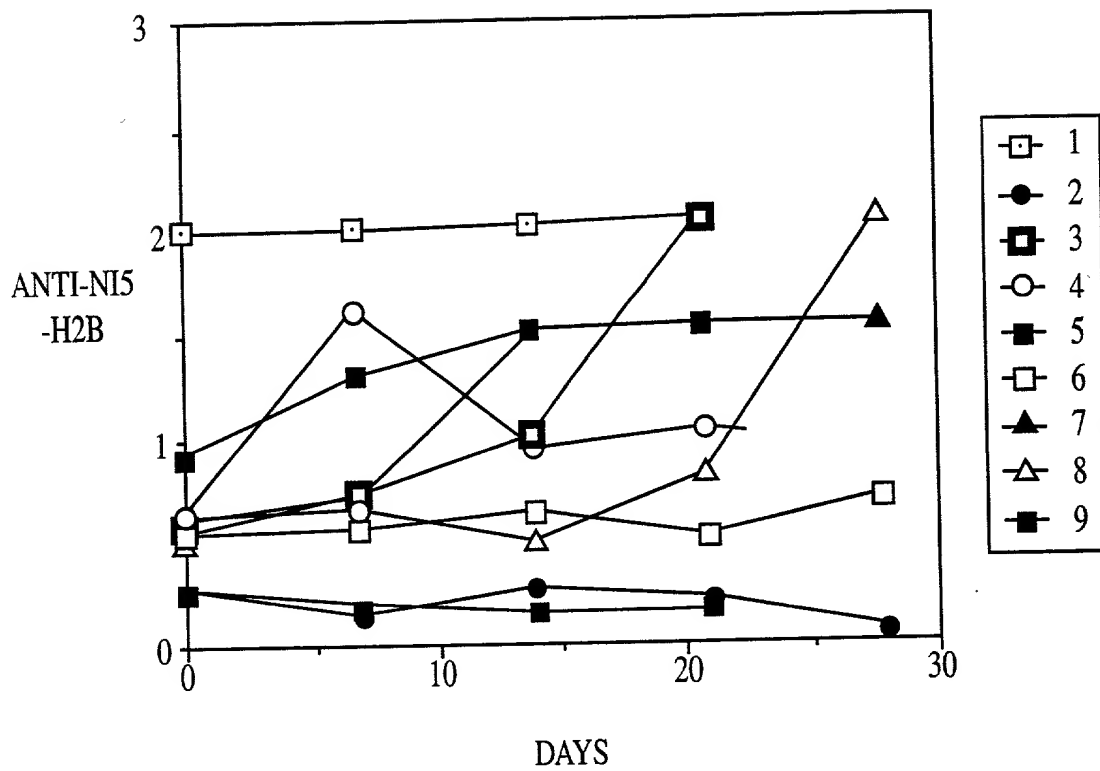


FIG. 52b

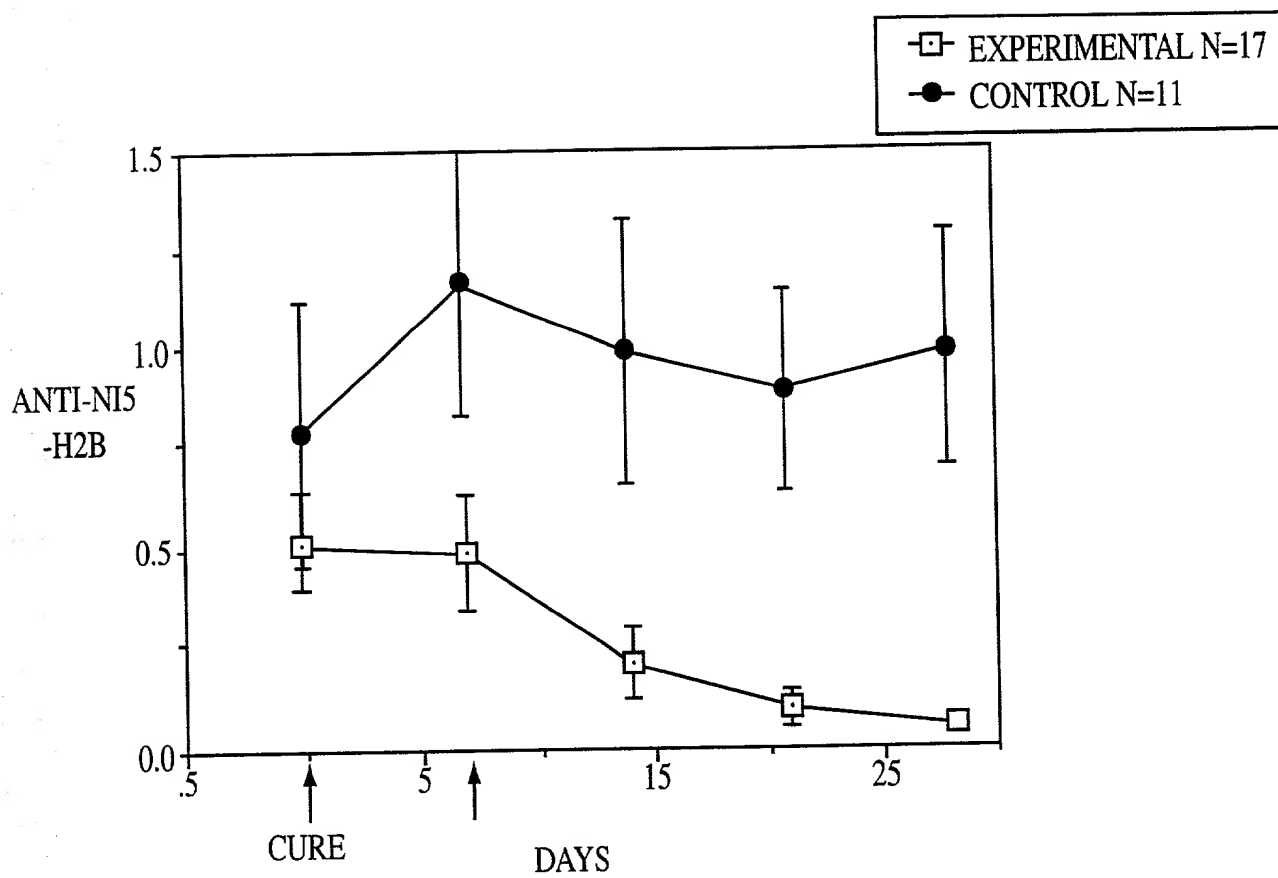


FIG. 53a

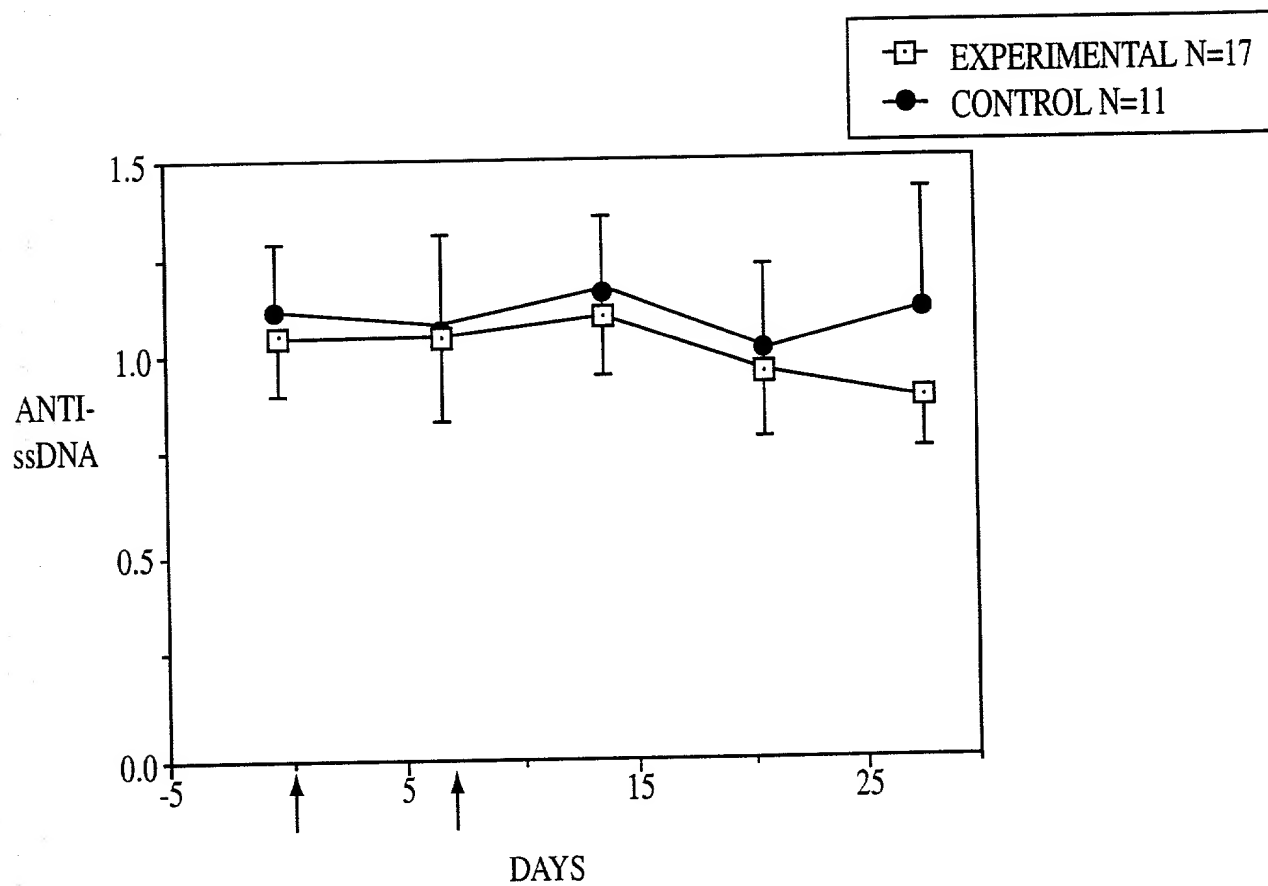


FIG. 53b

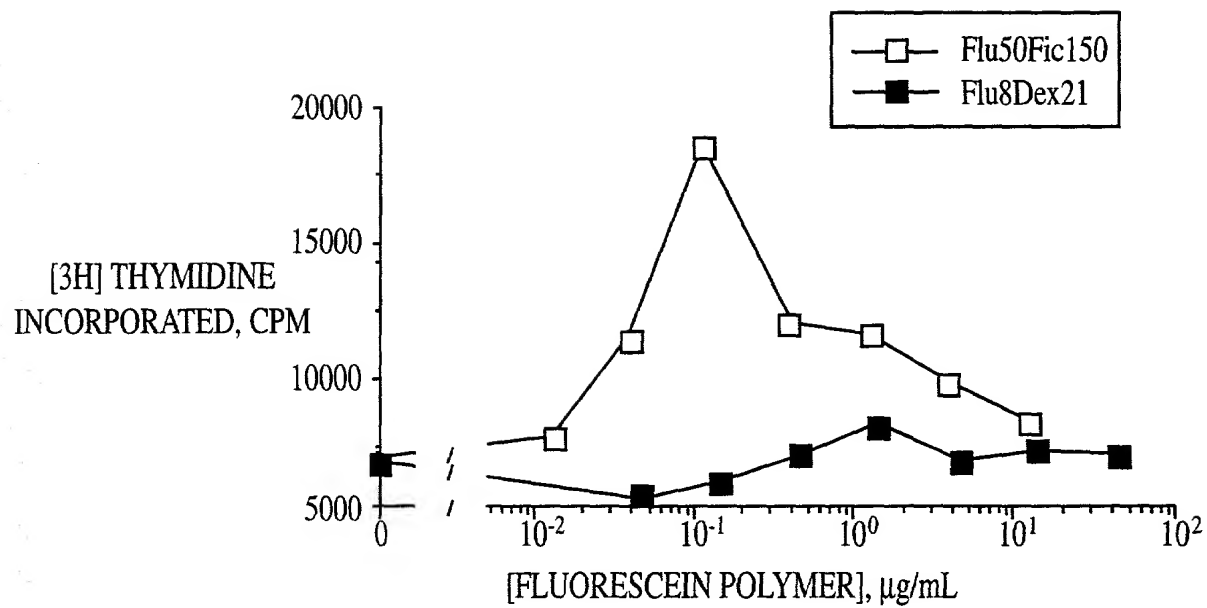


FIG. 54a

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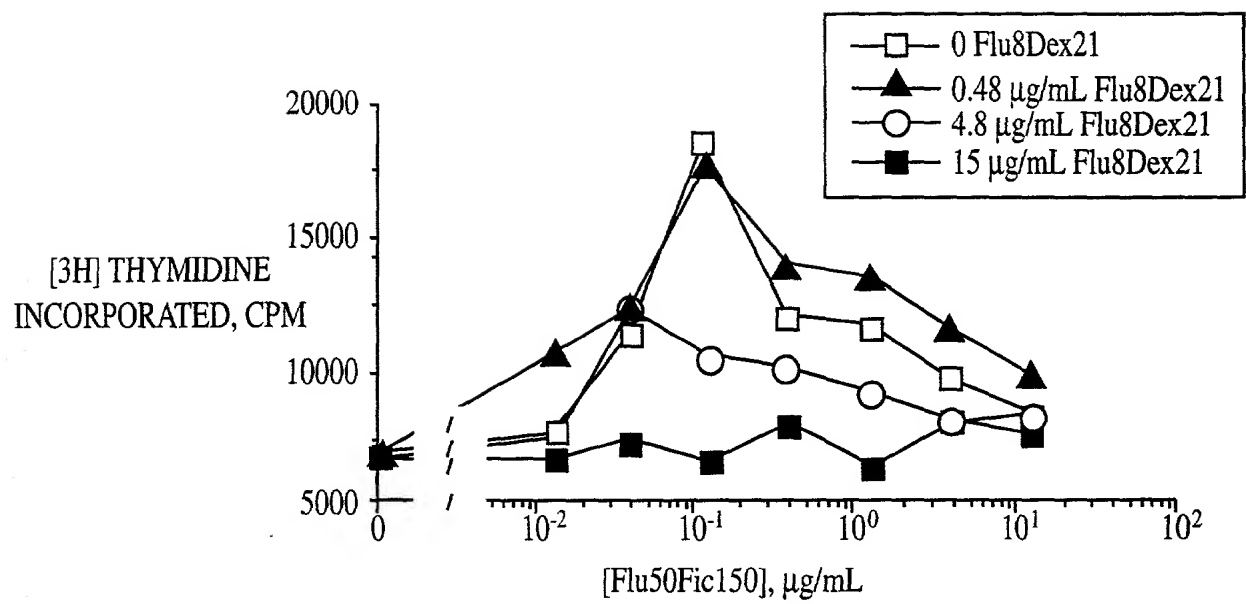
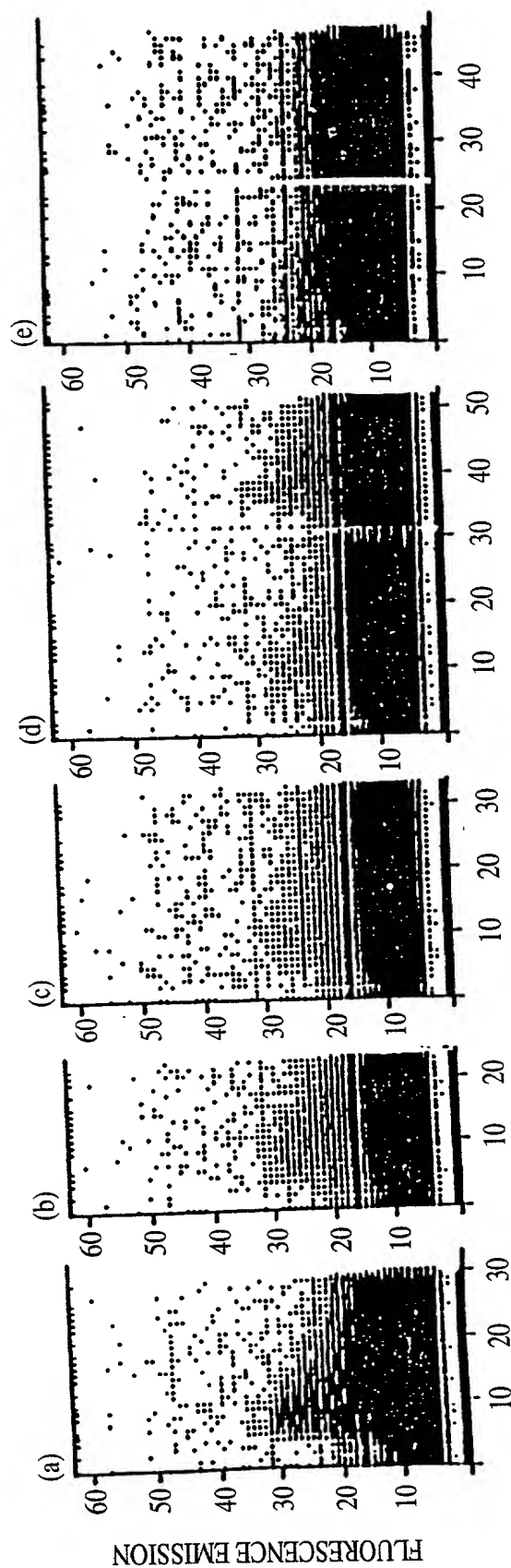


FIG. 54b



TIME, SEC.(/16)

FIG. 55